United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155



In Reply Refer To:
3106
UTU-25566 et al
(UT-924)

FEB 2 1 2002

NOTICE

Westport Oil and Gas Company L.P. : Oil and Gas
410 Seventeenth Street, #2300 :
Denver Colorado 80215-7093 :

Name Change Recognized

Acceptable evidence has been received in this office concerning the name change of Westport Oil and Gas Company, Inc. into Westport Oil and Gas Company, L.P. with Westport Oil and Gas Company, L.P. being the surviving entity.

For our purposes, the name change is recognized effective December 31, 2001.

The oil and gas lease files identified have been noted as to the name change. The exhibit was compiled from a list of leases obtained from our computer program. We have not abstracted the lease files to determine if the entities affected by this name change hold an interest in the leases identified nor have we attempted to identify leases where the entities are the operator on the ground maintaining no vested recorded title or operating rights interests. We will be notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the change by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

If you identify additional leases in which the entities maintain an interest, please contact this office and we will appropriately document those files with a copy of this Notice.

Due to the name change, the name of the principal/obligor on the bond is required to be changed from Westport Oil and Gas Company, Inc. to Westport Oil and Gas Company, L.P.. You may accomplish this either by consent of surety rider on the original bond or a rider to the original bond. The bonds are held in Colorado.

UTU-03405
UTU-20895
UTU-25566
UTU-43156
UTU-49518
UTU-49519
UTU-49522
UTU-49523

Robert Lopez
Chief, Branch of
Minerals Adjudication

cc: Moab Field Office
Vernal Field Office
MMS, Reference Data Branch, MS3130, PO Box 5860, Denver CO 80217
State of Utah, DOGM, Attn: Jim Thompson (Ste. 1210), Box 145801, SLC UT 84114
Teresa Thompson (UT-922)
Joe Incardine (UT-921)

Form 3160-3
(August 1999)

FORM APPROVED
OMB No. 1004-0136
Expires November 30, 2000

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

012

# APPLICATION FOR PERMIT TO DRILL OR REENTER

CONFIDENTIAL

| | |
|---|---|
| 1a. Type of Work: ☒ DRILL ☐ REENTER | 5. Lease Serial No. UTU01393B |
| | 6. If Indian, Allottee or Tribe Name |
| | 7. If Unit or CA Agreement, Name and No. UTU63047A |
| 1b. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone | 8. Lease Name and Well No. NBU 345-4E |
| 2. Name of Operator EL PASO PROD OIL & GAS CO<br>Contact: CHERYL CAMERON<br>E-Mail: Cheryl.Cameron@Elpaso.com | 9. API Well No. 43-047-34700-00-X1 |
| 3a. Address ALTAMONT, UT 84001<br>3b. Phone No. (include area code) Ph: 435.781.7023 Fx: 435.781.7094 | 10. Field and Pool, or Exploratory NATURAL BUTTES |
| 4. Location of Well *(Report location clearly and in accordance with any State requirements.*)*<br>At surface SWSW 911FSL 662FWL<br>At proposed prod. zone | 11. Sec., T., R., M., or Blk. and Survey or Area Sec 4 T10S R21E Mer SLB<br>SME: BLM |
| 14. Distance in miles and direction from nearest town or post office* 16.9 MILES NORTHWEST OF OURAY, UT | 12. County or Parish UINTAH<br>13. State UT |
| 15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 662<br>16. No. of Acres in Lease 649.36 | 17. Spacing Unit dedicated to this well 40.00 |
| 18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. REFER TO TOPO C<br>19. Proposed Depth 7000 MD | 20. BLM/BIA Bond No. on file CO1203 |
| 21. Elevations (Show whether DF, KB, RT, GL, etc. 5033 GL<br>22. Approximate date work will start | 23. Estimated duration |

## 24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the authorized officer.

| | | |
|---|---|---|
| 25. Signature (Electronic Submission) | Name (Printed/Typed) CHERYL CAMERON | Date 08/06/2002 |
| Title OPERATIONS | | |
| Approved by (Signature) EXPIRED | Name (Printed/Typed) EXPIRED | Date 10/12/2004 |
| Title EXPIRED | Office Vernal | |

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**Additional Operator Remarks (see next page)**

**Electronic Submission #13396 verified by the BLM Well Information System**
**For EL PASO PROD OIL & GAS CO, sent to the Vernal**
**Committed to AFMSS for processing by PAT SUTTON on 08/08/2002 (02PS0427AE)**

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

## Revisions to Operator-Submitted EC Data for APD #13396

| | Operator Submitted | BLM Revised (AFMSS) |
|---|---|---|
| Lease: | U-01393-B | UTU01393B |
| Agreement: | | UTU63047A |
| Operator: | EL PASO PRODUCTION O&G COMPANY<br>P.O. BOX 1148<br>VERNAL, UT 84078<br>Ph: 435.781.7023<br>Fx: 435.781.7094 | EL PASO PROD OIL & GAS CO<br>ALTAMONT, UT 84001<br>Ph: 435.454.3394 |
| Admin Contact: | CHERYL CAMERON<br>OPERATIONS<br>P.O. BOX 1148<br>VERNAL, UT 84078<br>Ph: 435.781.7023<br>Fx: 435.781.7094<br>E-Mail: Cheryl.Cameron@CoastalCorp.com | CHERYL CAMERON<br>OPERATIONS<br>ALTAMONT, UT 84001<br>Ph: 435.781.7023<br>Fx: 435.781.7094<br>Cell: 435.671.2747<br>E-Mail: Cheryl.Cameron@Elpaso.com |
| Tech Contact: | | |
| Well Name: | NBU | NBU |
| Number: | 345-4E | 345-4E |
| Location: | | |
| State: | UT | UT |
| County: | UINTAH | UINTAH |
| S/T/R: | Sec 4 T10S R21E Mer SLB | Sec 4 T10S R21E Mer SLB |
| Surf Loc: | SWSW 911FSL 662FWL | SWSW 911FSL 662FWL |
| Field/Pool: | NATURAL BUTTES | NATURAL BUTTES |
| Bond: | WY 3457 | CO1203 |

Form 3160-3
(August 1999)

FORM APPROVED
OMB No. 1004-0136
Expires November 30, 2000

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

001

# APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.
U-01393-B

6. If Indian, Allottee or Tribe Name

1a. Type of Work: ☒ DRILL ☐ REENTER

CONFIDENTIAL

7. If Unit or CA Agreement, Name and No.

1b. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone

8. Lease Name and Well No.
NBU 345-4E

2. Name of Operator
EL PASO PRODUCTION O&G COMPANY
Contact: CHERYL CAMERON
E-Mail: Cheryl.Cameron@CoastalCorp.com

9. API Well No.
43-047-34700

3a. Address
P.O. BOX 1148
VERNAL, UT 84078

3b. Phone No. (include area code)
Ph: 435.781.7023
Fx: 435.781.7094

10. Field and Pool, or Exploratory
NATURAL BUTTES

4. Location of Well *(Report location clearly and in accordance with any State requirements.*)*

At surface SWSW 911FSL 662FWL 44254737Y 39.97241
602265 2X -109.56376

At proposed prod. zone

11. Sec., T., R., M., or Blk. and Survey or Area
Sec 4 T10S R21E Mer SLB

14. Distance in miles and direction from nearest town or post office*
16.9 MILES NORTHWEST OF OURAY, UT

12. County or Parish
UINTAH

13. State
UT

15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)
662

16. No. of Acres in Lease
649.36

17. Spacing Unit dedicated to this well
40.00

18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft.
REFER TO TOPO C

19. Proposed Depth
7000 MD

20. BLM/BIA Bond No. on file
WY 3457

21. Elevations (Show whether DF, KB, RT, GL, etc.
5033 GL

22. Approximate date work will start

23. Estimated duration

## 24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature
(Electronic Submission)
Name (Printed/Typed)
CHERYL CAMERON
Date
08/06/2002

Title
OPERATIONS

Federal Approval of this Action is Necessary

Approved by (Signature)
Name (Printed/Typed)
BRADLEY G. HILL
Date
08-15-02

Title
Office
RECLAMATION SPECIALIST III

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**Additional Operator Remarks (see next page)**

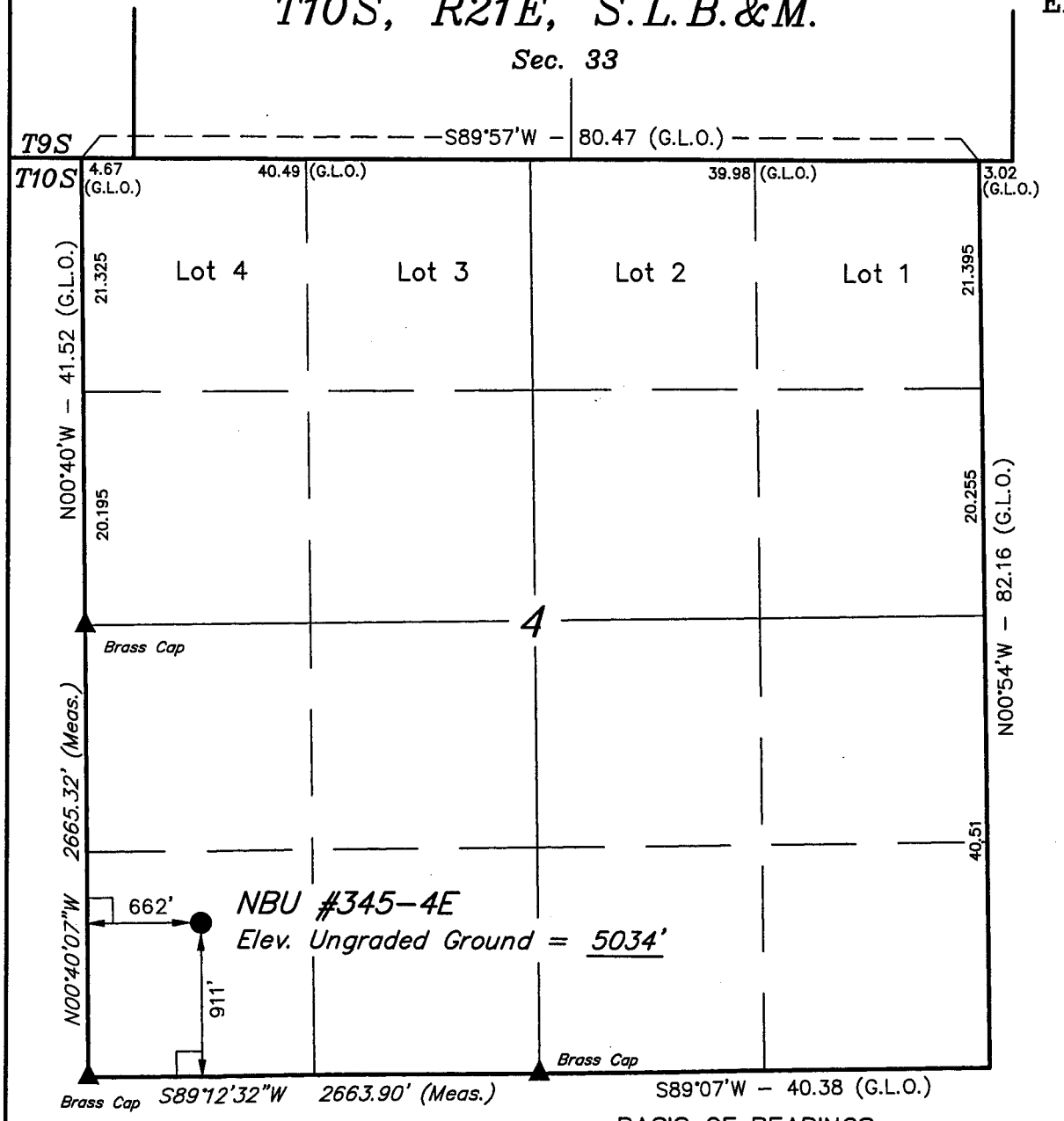
**Electronic Submission #13396 verified by the BLM Well Information System**
**For EL PASO PRODUCTION O&G COMPANY, sent to the Vernal**

RECEIVED
AUG 09 2002
DIVISION OF
OIL, GAS AND MINING

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL**

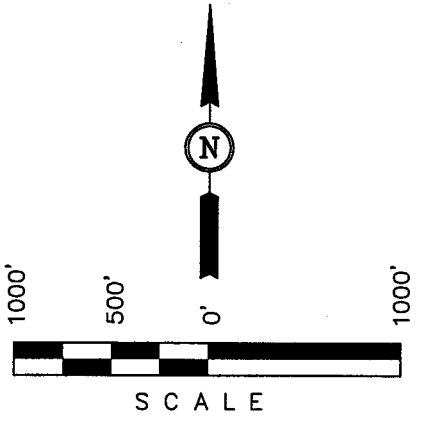
# EL PASO PRODUCTION OIL & GAS COMPANY

Well location, NBU #345-4E, located as shown in the SW 1/4 SW 1/4 of Section 4, T10S, R21E, S.L.B.&M. Uintah County, Utah.




## BASIS OF ELEVATION

TWO WATER TRIANGULATION STATION LOCATED IN THE NW 1/4 OF SECTION 1, T10S, R21E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN NE, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5238 FEET.




## CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH
ROBERT L. KAY

## LEGEND:

└ = 90° SYMBOL
● = PROPOSED WELL HEAD.
▲ = SECTION CORNERS LOCATED.

## BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

(NAD 83)
LATITUDE = 39°58'20.42" (39.972339)
LONGITUDE = 109°33'51.48" (109.564300)


UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017


| SCALE | DATE SURVEYED: | DATE DRAWN: |
|---|---|---|
| 1" = 1000' | 07-19-02 | 07-22-02 |
| PARTY: D.K. T.A. D.R.B. | REFERENCES: G.L.O. PLAT | |
| WEATHER: HOT | FILE: EL PASO PRODUCTION OIL & GAS COMPANY | |

**NBU 345-4E**
**SW/SW Sec. 4, T10S-R21E**
**Uintah County, UT**
**U-01393-B**

# ONSHORE ORDER NO. 1
# EL PASO PRODUCTION COMPANY

## *DRILLING PROGRAM*

1. **Estimated Tops of Important Geologic Markers:**

| Formation | Depth |
|---|---|
| KB | 5050' |
| Green River | 1355' |
| Wasatch | 4615' |
| Total Depth | 7000' |

2. **Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:**

| Substance | Formation | Depth |
|---|---|---|
| | Green River | 1355' |
| Gas | Wasatch | 4615' |
| Water | N/A | |
| Other Minerals | N/A | |

3. **Pressure Control Equipment** (Schematic Attached)

The BOP stack will consist of one 11" 3,000 psi annular BOP, one 11" 3,000 psi double ram, and one 11' drilling spool. The lower ram will contain pipe rams, and the upper ram will contain blind rams.

The choke and kill lines and the choke manifold will have a 3,000 psi minimum pressure rating.

The hydrill will be tested to 1,500 psi. The rams, choke manifold, kelly safety valves, drill string safety valves, and inside BOP will be tested to 3,000 psi.

4. **Proposed Casing & Cementing Program:**

Refer to the attached Cement & Casing Program.

5. **Drilling Fluids Program:**

Refer to the attached Mud Program.

6. **Evaluation Program:**

Refer to the attached Logging Program.

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated @ 7000 TD approximately equals 2800 psi (calculated at 0.4 psi/foot).

Maximum anticipated surface pressure equals approximately 1260 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

**NBU 345-4E**
**SW/SW Sec. 4-T10S-R21E**
**UINTAH COUNTY, UTAH**
**LEASE #U-01393-B**

# ONSHORE ORDER NO. 1

## *MULTI-POINT SURFACE USE & OPERATIONS PLAN*

An onsite inspection was conducted for the NBU 408 on 8/1/02, for the subject well.

1. **Existing Roads:**

The proposed well site is approximately 16.9 miles northwest of Ouray, Utah. Directions to the location from Ouray, Utah are enclosed.

Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

2. **Planned Access Roads:**

*Please see the Natural Buttes Unit Standard Operating Procedure (SOP).*

Refer to Topo Map B for the location of the proposed access road.

3. **Location of Existing Wells Within a 1-Mile Radius**

Please refer to Topo Map C.

4. **Location of Existing & Proposed Facilities**

*Please see the Natural Buttes Unit SOP.*

Refer to Topo Map D for the location of the proposed pipeline.

5. **Location and Type of Water Supply:**

*Please see the Natural Buttes SOP.*

6. **Source of Construction Materials:**

*Please see the Natural Buttes SOP.*

7. **Methods of Handling Waste Materials:**

*Please see the Natural Buttes SOP.*

*Any produced water from the proposed well will be contained in a water tank and will then be hauled by truck to one of the pre-approved disposal sites: RNI, Sec.5,T9S,R22E, NBU #159, Sec.35,T9S,R21E, Ace Oilfield Sec.2, T6S,R20E, MC&MC Sec 12, T6S,R19E (Requests is lieu of filing Form 3160-5, after initial production).*

8. **Ancillary Facilities:**

*Please see the Natural Buttes SOP.*

9. **Well Site Layout:** (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

Location size may change prior to the drilling of the well due to the current rig availability. If the proposed location is not large enough to accommodate the drilling rig. The location will be re-surveyed and a form 3160-5 will be submitted.

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

A plastic reinforced liner with felt shall be used, it will be a minimum of 12 mil thick, with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash or scrap that could puncture the liner will be do disposed of in the pit.

10. **Plans for Reclamation of the Surface:**

*Please see the Natural Buttes SOP.*

11. **Surface Ownership:**

The well pad and access road are located on lands owned by:

United State of America
Bureau of Land Management
170 South 500 East
Vernal, Utah 84078
(435)781-4400

12. **Other Information:**

The Cultural Resource Inventory for the NBU 345-4E prepared by James A. Truesdale and the Inventory for the pipeline portion for the NBU 447 (now to be used for the 345-4E) prepared by MOAC, shall be hand delivered to Byron Tolman.

**SEED MIXTURE**

| | |
|---|---|
| Fourwing Saltbrush | 6 lb/acre |
| Indian Ricegrass | 6 lb/acre |

**ANTELOPE STIPULATIONS**

None – Waived during the on-site inspection

**RESCINDMENT OF DESIGNATION OF AGENT IS ATTACHED.**

This location is not within 460 feet from the boundary of the Natural Buttes Unit, nor is it within 460 feet of any non-committed tract lying within the boundaries of the Unit.

13. **Lessee's or Operators's Representative & Certifcation:**

Cheryl Cameron
Regulatory Analyst
El Paso Production O&G Co.
P.O. Box 1148
Vernal, UT 84078
(435) 781-7023

Scott Palmer
Drilling Manager
El Paso Production O&G Co.
9 Greenway Plaza
Houston, TX 77046-0995
(713) 676-3391

Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

El Paso Production Oil & Gas Company is considered to be the operator of the subject well. El Paso Production Oil & Gas Company agrees to be responsible under the terms and conditions of the lease for the operations conducted upon leased lands.

Bond Coverage pursuant to 43 CFR 3104 for lease activities is being provided by El Paso Production Oil & Gas Company, Nationwide Bond #WY3457.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by the Operator, its contractors, and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

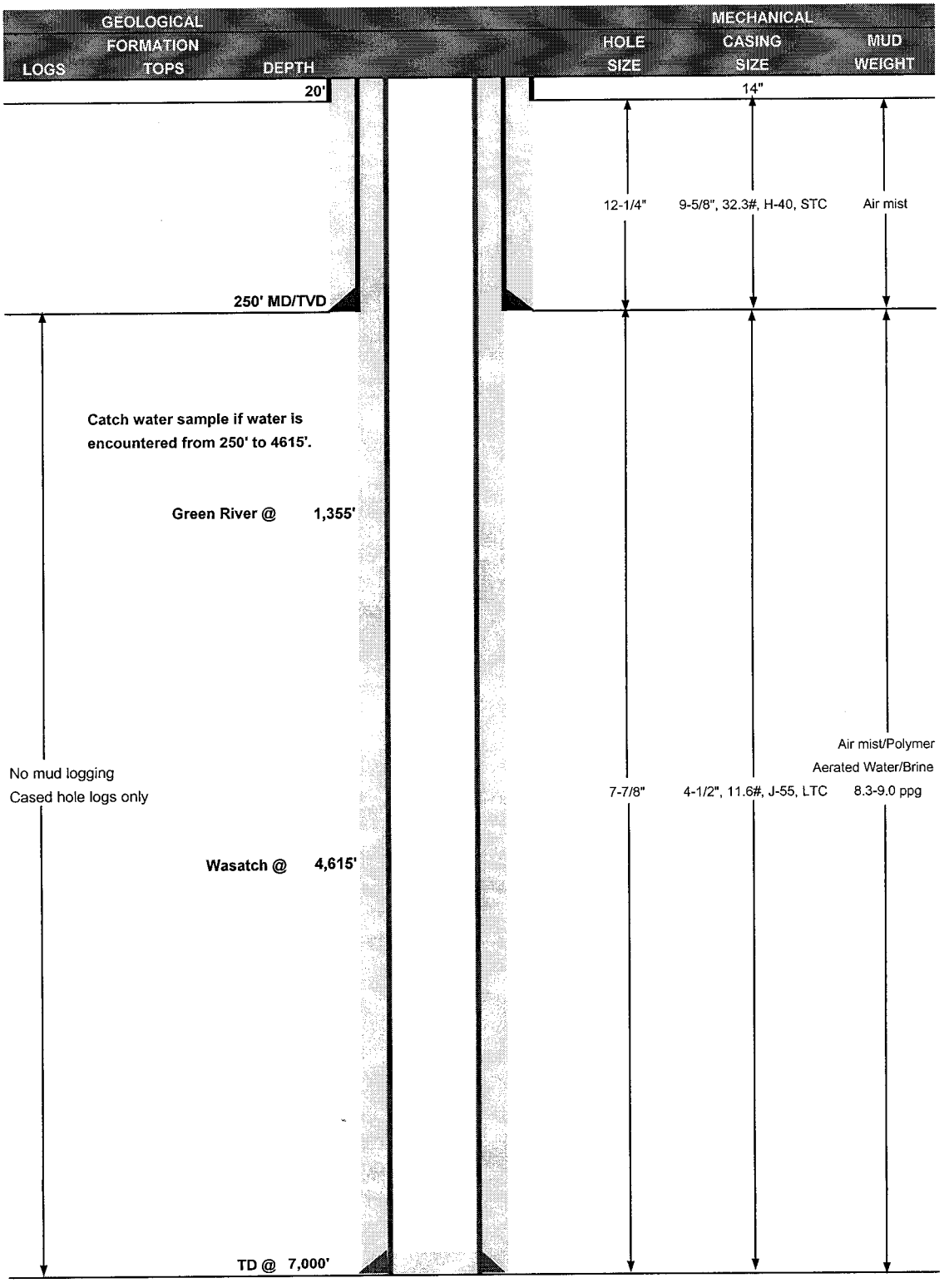
*/s/ Cheryl Cameron* Cheryl Cameron
Cheryl Cameron

8/05/02
Date

elpaso Production

# DRILLING PROGRAM FOR APD

| | | | |
|---|---|---|---|
| COMPANY NAME | El Paso Production Company | DATE | July 17, 2002 |
| WELL NAME | **NBU 345-4E** | TD | 7,000' MD/TVD |
| FIELD | Natural Buttes | COUNTY Uintah STATE Utah | ELEVATION 5,050' KB |
| SURFACE LOCATION | 911' FSL, 662' FWL, SW/SW, SEC. 4, T10S, R21E | | BHL Straight Hole |
| OBJECTIVE ZONE(S) | Wasatch | | |
| ADDITIONAL INFO | Regulatory Agencies: BLM, UDOGM, Tri-County Health Dept. | | |



elpaso Production

# DRILLING PROGRAM

## CASING PROGRAM

| | SIZE | INTERVAL | WT. | GR. | CPLG. | DESIGN FACTORS BURST | COLLAPSE | TENSION |
|---|---|---|---|---|---|---|---|---|
| CONDUCTOR | 14" | 0-40' | | | | 2270 | 1370 | 254000 |
| SURFACE | 9-5/8" | 0-250' | 32.30 | H-40 | STC | 16.19 | 11.71 | 4.54 |
| | | | | | | 5350 | 4960 | 162000 |
| PRODUCTION* | 4-1/2" | 0-TD | 11.60 | J-55 | LTC | 2.17 | 1.51 | 1.23 |

1) Maximum Anticipated Surface Pressure (MASP) (Conductor and Surface Casings) = (Frac Gradient at Shoe - Gas Gradient (0.115 psi/ft))(TVD)

2) MASP (Int Casing) = Pore Pressure at Next Casing Point - (Gas Gradient x TVD of Next Casing Point x 0.67) - (Mud Weight x TVD x 0.052 x 0.33)

3) MASP (Prod Casing) = Pore Pressure - (Gas Gradient x TVD of Production Interval)

(Burst Assumptions: FG @ 8-5/8" shoe = 13.0 ppg, Max Pore Pressure = 9.0 ppg EMW)

(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing, 50000 lbs overpull)

## CEMENT PROGRAM

| | | FT. OF FILL | DESCRIPTION | SACKS | EXCESS | WEIGHT | YIELD |
|---|---|---|---|---|---|---|---|
| SURFACE | | 250 | Class G + 2% CaCl2 + 0.25 pps celloflake | 140 | 35% | 15.80 | 1.16 |
| PRODUCTION | LEAD | 4,110' | Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender | 440 | 60% | 11.00 | 3.38 |
| | TAIL | 2,890' | 50/50 Poz/G + 10% salt + 2% gel | 810 | 60% | 14.30 | 1.31 |

## FLOAT EQUIPMENT & CENTRALIZERS

| | |
|---|---|
| SURFACE | Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe. |
| PRODUCTION | Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers. |

## ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 3M with one annular and 2 rams. Test to 3,000 psi (annular to 1,500 psi) prior to drilling out. Record on chart recorder & tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper & lower kelly valves.

Drop Totco surveys on bit trips. Maximum allowable hole angle is 5 degrees.

**DRILLING ENGINEER:** _____ **DATE:** _____
Dan Lindsey

**DRILLING SUPERINTENDANT:** _____ **DATE:** _____
Larry Strasheim

# EL PASO PRODUCTION OIL & GAS COMPANY

## NBU #345-4E

**LOCATED IN UINTAH COUNTY, UTAH**
**SECTION 4, T10S, R21E, S.L.B.&M.**

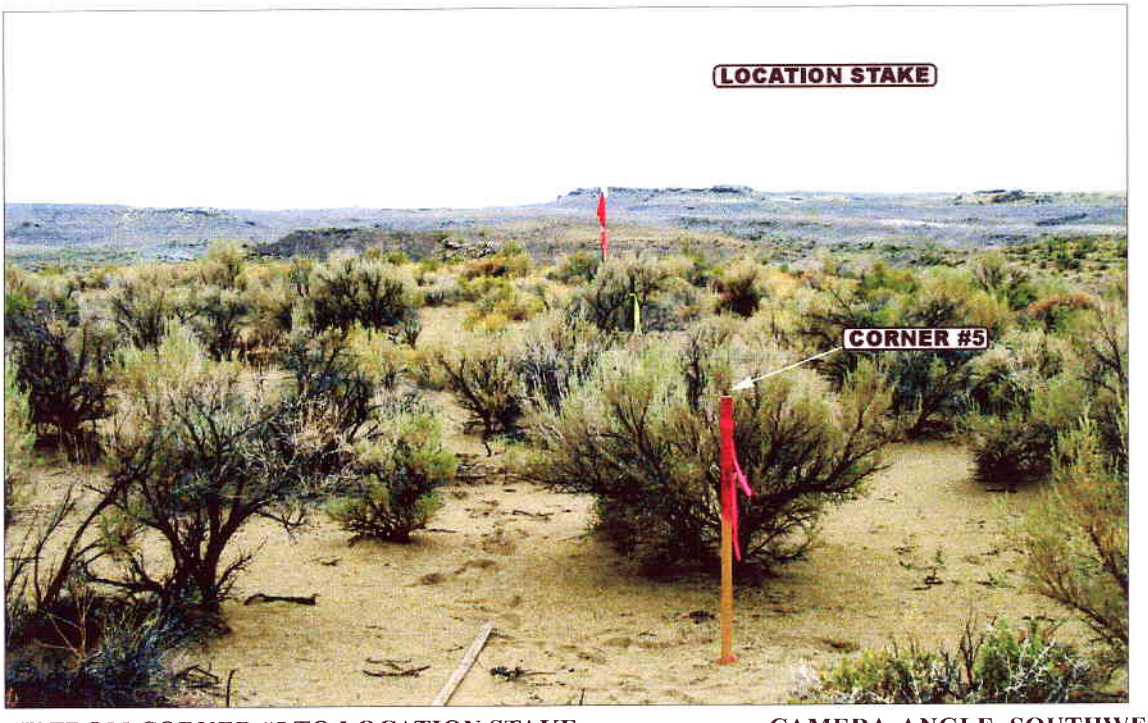



**PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE** **CAMERA ANGLE: SOUTHWESTERLY**


**PHOTO: VIEW FROM BEGINNING OF PROPOSED ROAD** **CAMERA ANGLE: SOUTHEASTERLY**

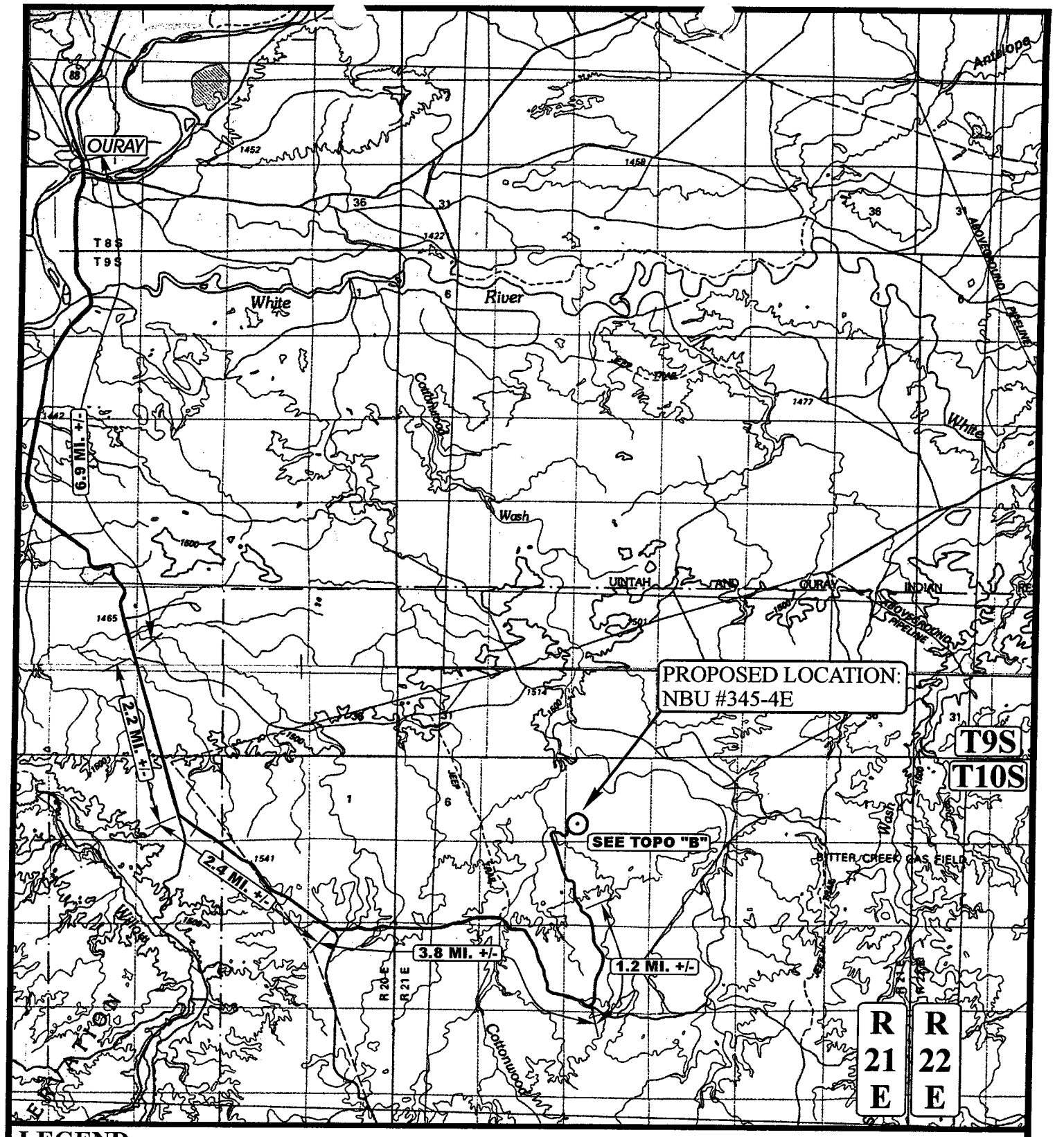
- Since 1964 -
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

| LOCATION PHOTOS | 7 MONTH | 22 DAY | 02 YEAR | PHOTO |
|---|---|---|---|---|
| TAKEN BY: D.K. | DRAWN BY: J.L.G. | REVISED: 00-00-00 | | |

# EL PASO PRODUCTION OIL & GAS COMPANY

## NBU #345-4E
## SECTION 4, T10S, R21E, S.L.B.&M.

**PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 6.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 2.2 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 2.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 3.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN LEFT AND PROCEED IN A NORTHERLY DIRECTION APPROXIMATELY 1.2 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN RIGHT AND PROCEED IN A NORTHERLY DIRECTION APPROXIMATELY 0.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE WEST; TURN LEFT AND PROCEED IN A WESTERLY THEN NORTHWESTERLY THEN EASTERLY APPROXIMATELY 1.0 MILES TO THE PROPOSED LOCATION.**




**LEGEND:**

⊙ PROPOSED LOCATION

N

**EL PASO PRODUCTION OIL & GAS COMPANY**

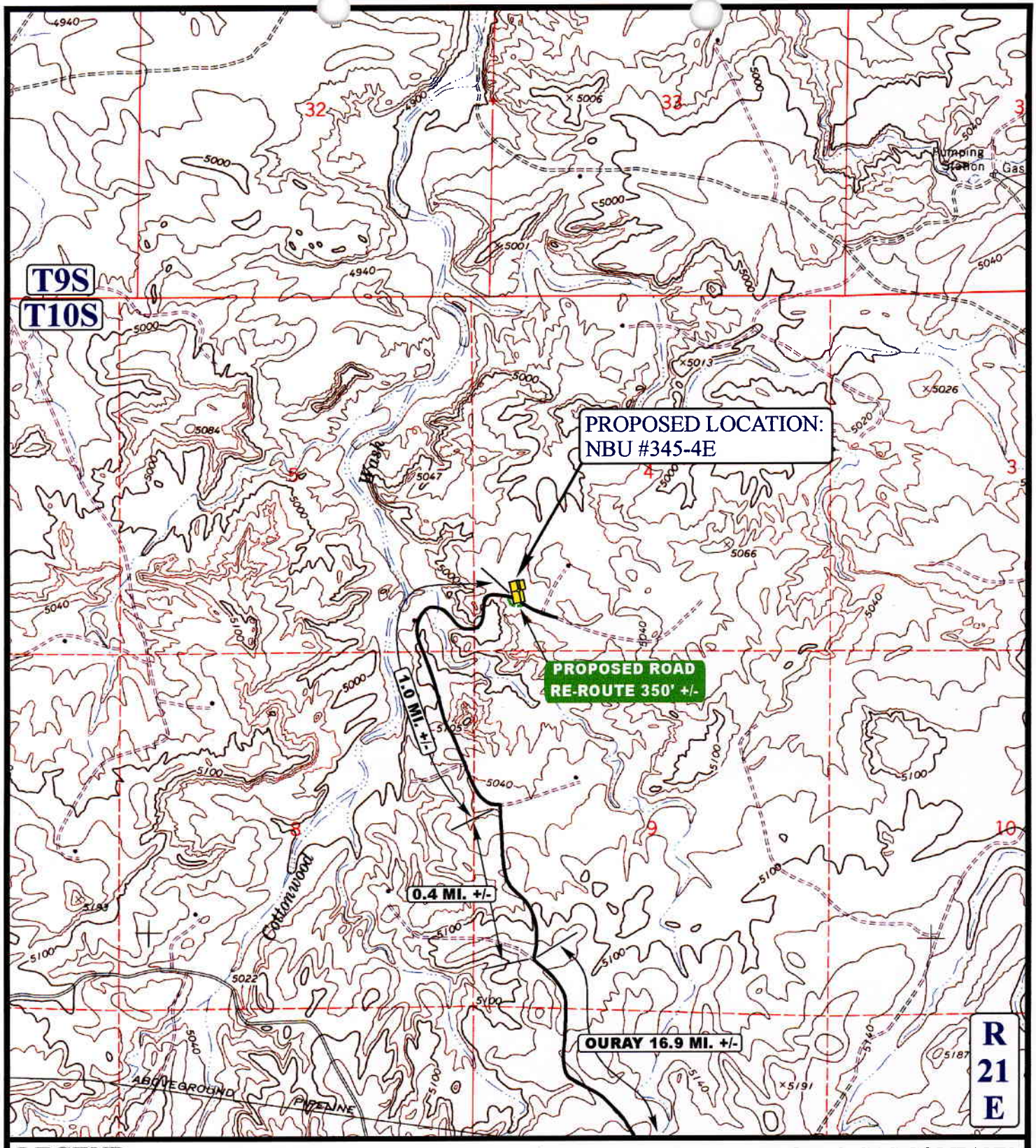
**NBU #345-4E**

**SECTION 4, T10S, R21E, S.L.B.&M.**

**911' FSL 662' FWL**


**Uintah Engineering & Land Surveying**
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813


| TOPOGRAPHIC MAP | 7 MONTH | 22 DAY | 02 YEAR | A TOPO |
|---|---|---|---|---|
| SCALE: 1 : 100,000 | DRAWN BY: J.L.G. | REVISED: 00-00-00 | | |




**LEGEND:**

PROPOSED ACCESS ROAD

EXISTING ROAD

N

**EL PASO PRODUCTION OIL & GAS COMPANY**

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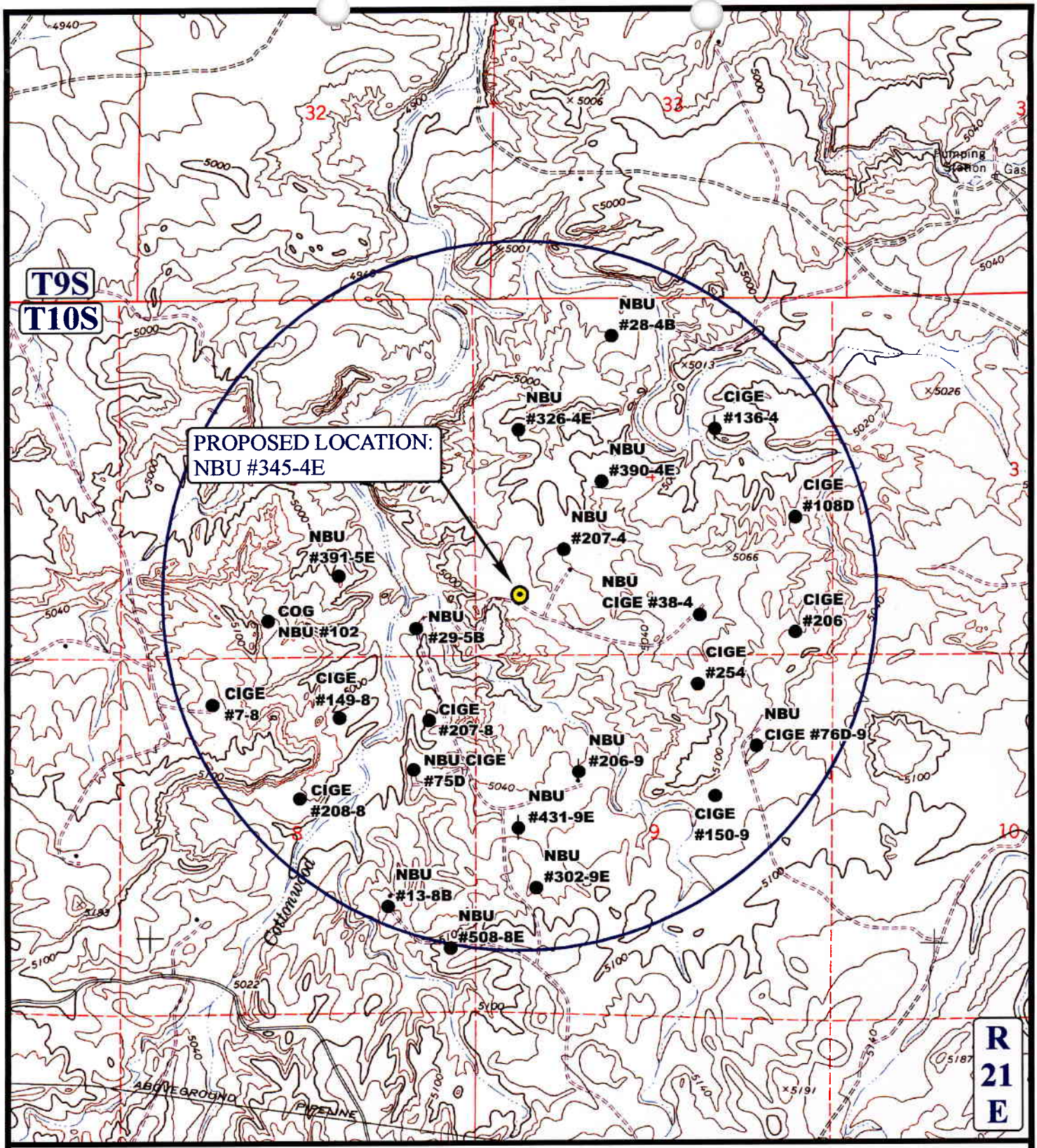
| TOPOGRAPHIC MAP | 7 MONTH | 22 DAY | 02 YEAR | B TOPO |
|---|---|---|---|---|
| SCALE: 1" = 2000' | DRAWN BY: J.L.G. | REVISED: 00-00-00 | | |




## LEGEND:

- DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- WATER WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED

N

**EL PASO PRODUCTION OIL & GAS COMPANY**

**NBU #345-4E**

**SECTION 4, T10S, R21E, S.L.B.&M.**

**911' FSL 662' FWL**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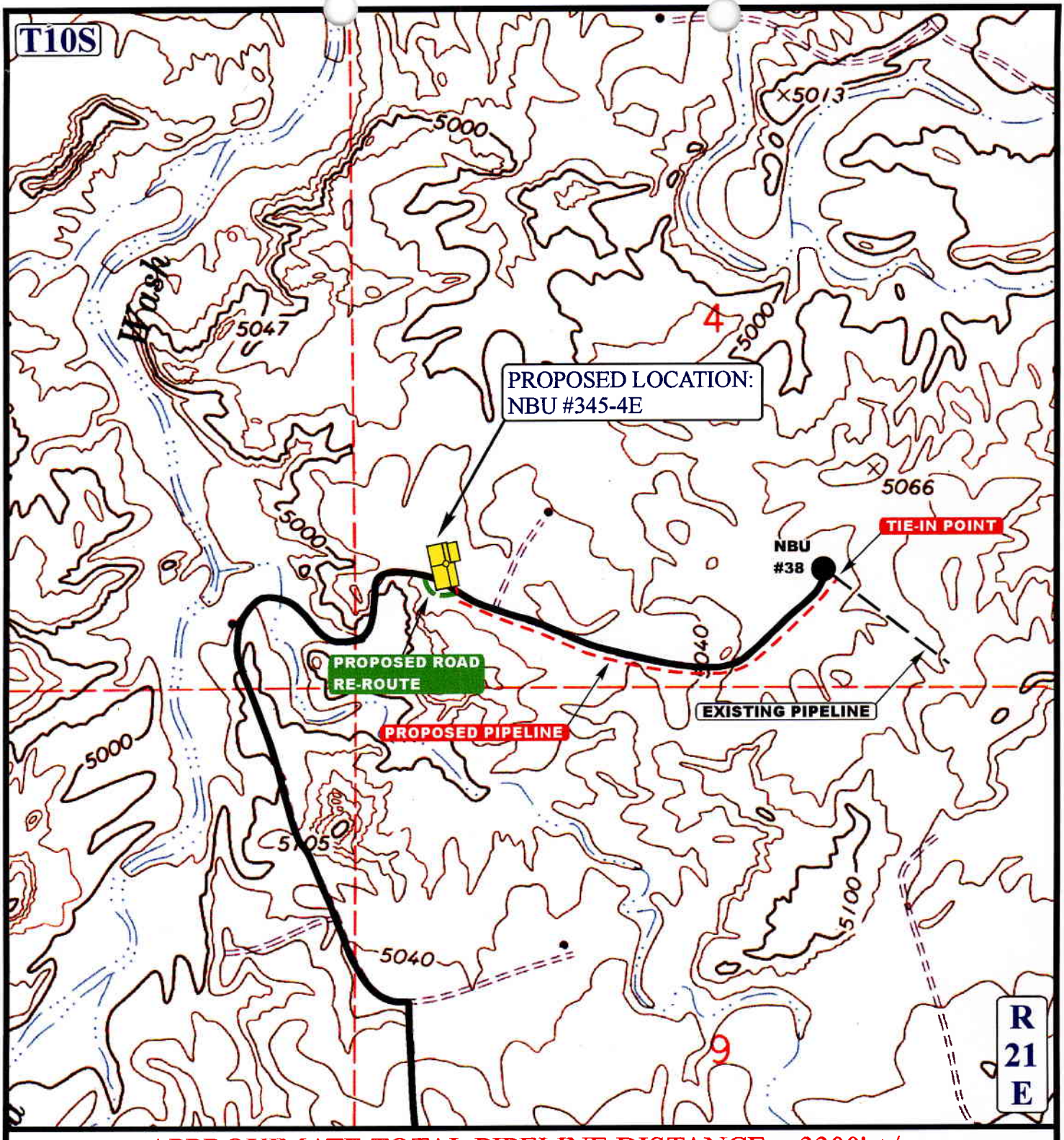
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813


| TOPOGRAPHIC MAP | 7 MONTH | 22 DAY | 02 YEAR | C TOPO |
|---|---|---|---|---|
| SCALE: 1" = 2000' | DRAWN BY: J.L.G. | REVISED: 00-00-00 | | |




APPROXIMATE TOTAL PIPELINE DISTANCE = 3300' +/-

**LEGEND:**

EXISTING PIPELINE

PROPOSED PIPELINE

PROPOSED ACCESS

N

**EL PASO PRODUCTION OIL & GAS COMPANY**

**NBU #345-4E**

**SECTION 4, T10S, R21E, S.L.B.&M.**

**911' FSL 662' FWL**


Uintah Engineering & Land Surveying

85 South 200 East Vernal, Utah 84078

(435) 789-1017 * FAX (435) 789-1813


TOPOGRAPHIC MAP | 7 MONTH | 22 DAY | 02 YEAR

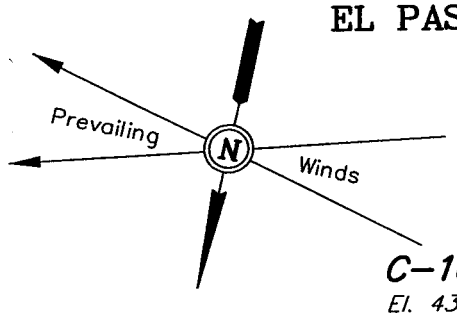
SCALE: 1" = 1000' | DRAWN BY: J.L.G. | REVISED: 00-00-00

D TOPO

# EL PASO PRODUCTION OIL & GAS COMPANY

## LOCATION LAYOUT FOR

NBU #345-4E
SECTION 4, T10S, R21E, S.L.B.&M.
911' FSL 662' FWL




SCALE: 1" = 50'
DATE: 07-22-02
Drawn By: D.R.B.

C-10.6'
El. 43.2'

C-6.2'
El. 38.8'

C-0.9'
El. 33.5'

Sta. 3+25

ROCK OUTCROP

60'

Round Corners as Needed

Approx. Top of Cut Slope

175'

Existing Road

Proposed Road Re-Route

NOTE:
Flare Pit is to be located a min. of 100' from the Well Head.

PIPE TUBS

CATWALK

PIPE RACKS

FLARE PIT

C-1.0'
El. 33.6'

C-1.3'
El. 33.9'

C-1.0'
El. 33.6'

Existing Access Road

Blooie Line

25'

35'

RIG

110'

Sta. 1+50

El. 31.8'
C-9.2'
(btm. pit)

70'

MUD TANKS

DOG HOUSE

TOILET

F-1.2'
El. 31.4'

TRAILER

LIGHT PLANT

BOILER

COMPRESSOR

WATER TANK

PUMP HOUSE

MUD TANKS

BOOSTER

RESERVE PITS
(10' Deep)

Pit Capacity With 2' of Freeboard is ±9,110 Bbls.

15' WIDE BENCH/DIKE

SLOPE 1 1/2 : 1

140'

Reserve Pit Backfill & Spoils Stockpile

TRASH

Sta. 0+50

150'

Approx. Toe of Fill Slope

PROPANE STORAGE

35'

Sta. 0+00

15' WIDE BENCH

Topsoil Stockpile

El. 28.1'
C-5.5'
(btm. pit)

C-1.8'
El. 34.4'

C-1.8'
El. 34.4'

C-1.2'
El. 33.8'

F-3.1'
El. 29.5'

REGISTERED LAND SURVEYOR
ROBERT L. KAY
STATE OF UTAH

## NOTES:

Elev. Ungraded Ground At Loc. Stake = **5033.6'**

FINISHED GRADE ELEV. AT LOC. STAKE = **5032.6'**

FIGURE #1


UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

# EL PASO PRODUCTION OIL & GAS COMPANY

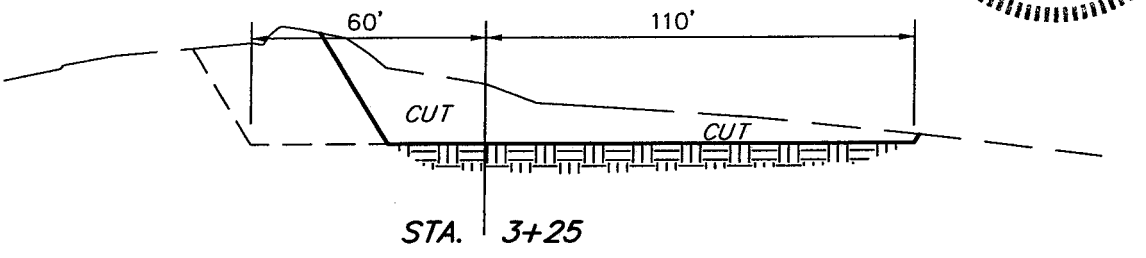
## TYPICAL CROSS SECTIONS FOR

NBU #345-4E
SECTION 4, T10S, R21E, S.L.B.&M.
911' FSL 662' FWL

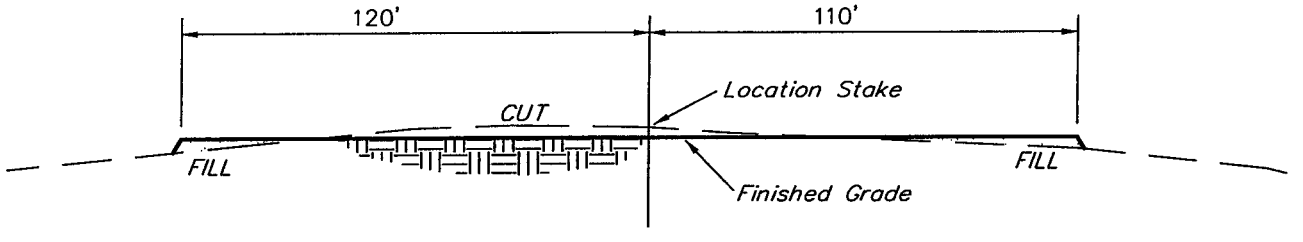
1" = 20'
X-Section Scale
1" = 50'

DATE: 07-22-02
Drawn By: D.R.B.

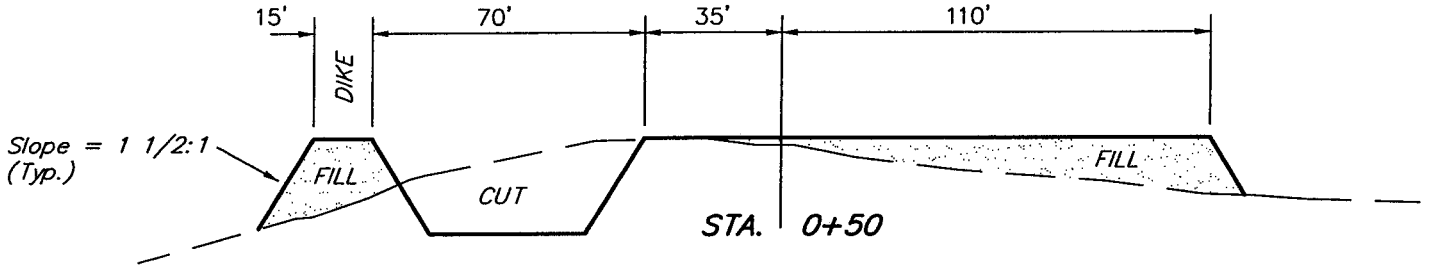
REGISTERED LAND SURVEYOR
161319
ROBERT L. KAY
STATE OF UTAH



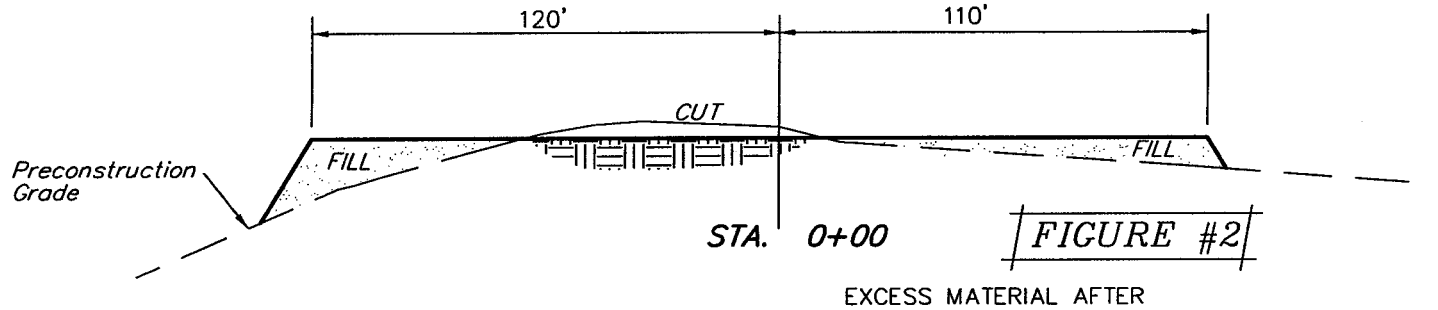

STA. 3+25




STA. 1+50




STA. 0+50




STA. 0+00

FIGURE #2

## APPROXIMATE YARDAGES

CUT
(6") Topsoil Stripping = 1,210 Cu. Yds.
Remaining Location = 4,700 Cu. Yds.

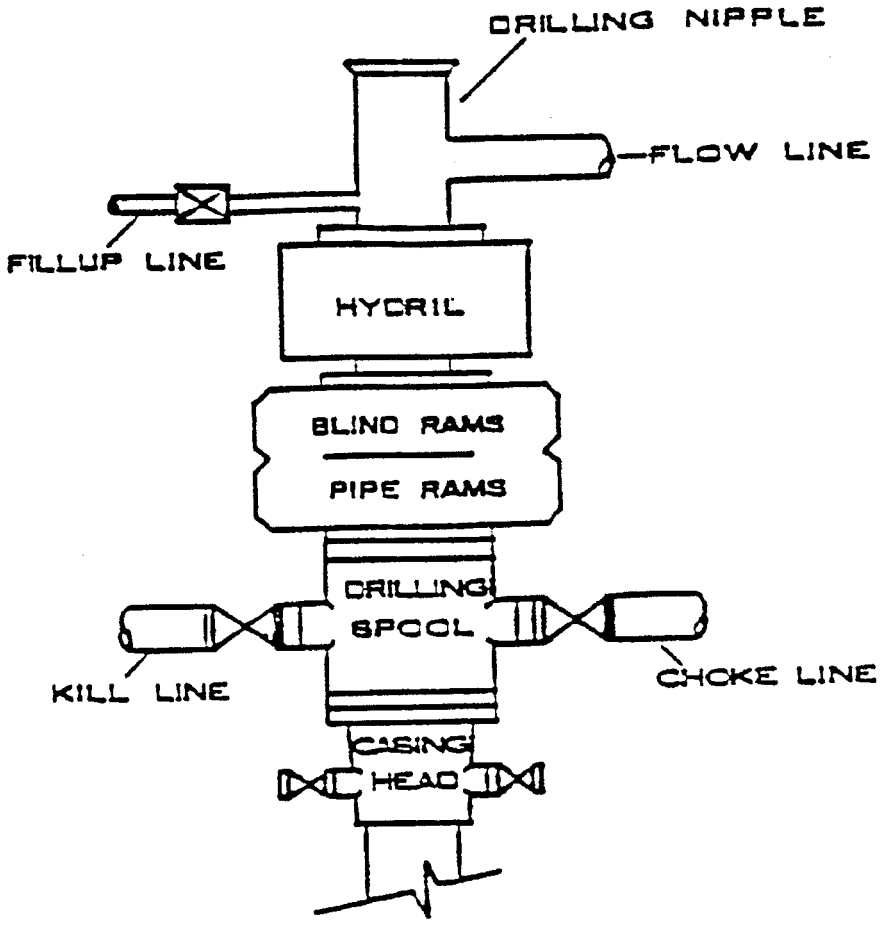
TOTAL CUT = 5,910 CU.YDS.
FILL = 3,240 CU.YDS.

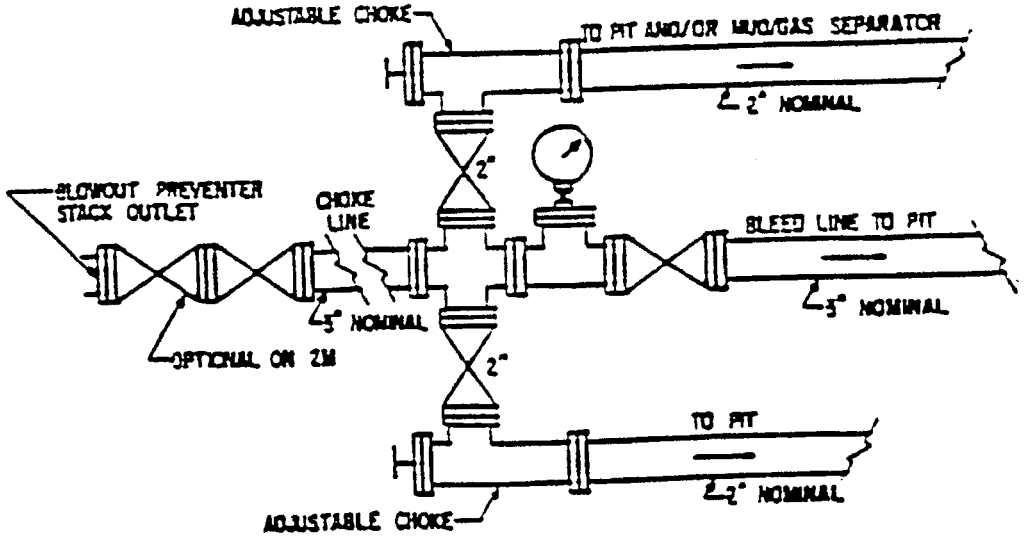
EXCESS MATERIAL AFTER
5% COMPACTION = 2,500 Cu. Yds.
Topsoil & Pit Backfill = 2,500 Cu. Yds.
(1/2 Pit Vol.)
EXCESS UNBALANCE = 0 Cu. Yds.
(After Rehabilitation)


UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

3,000 PSI

# BOP STACK



## RESCINDMENT OF DESIGNATION OF AGENT

Robert A. Henricks
Chief, Branch of Fluid Minerals

The undersigned is, on the records of the Bureau of Land Management, Unit Operator under the Natural Buttes Unit Agreement, Uintah County, Utah, No. 14-08-00018900 approved January 5, 1968, and hereby rescinds the designation of:

**NAME:** EOG Resources, Inc.

**ADDRESS:** P.O. Box 1815
Vernal, Utah 84078

as its agent, with respect to drilling, testing, and completing the following unit wells:

| WELL NAME | LOCATION DIV | SEC | TWP | RGE |
|---|---|---|---|---|
| **NBU 414-20E** *(Designation of Agent approved effective April 4, 2001)* | NWNE | 20 | 9S | 21E |
| **NBU 345-4E** *(Designation of Agent approved effective January 29,1992)* | SWSW | 4 | 10S | 21E |

Township and Range references are South and East of the Salt Lake Meridian in Uintah County, Utah.

It is also understood that this rescindment of designated agent only applies to the unit wells set out above.

**EL PASO PRODUCTION OIL & GAS COMPANY, Unit Operator**

BY: Henry J. Hansen
Henry J. Hansen, Rocky Mountain Land Director

DATE: 7-9-02

ACCEPTED AND AGREED:
**EOG Resources, Inc.**

BY: J. Michael Schween
Agent and Attorney-in-Fact

DATE: July 18, 2002

CC: State of Utah, Division of Oil, Gas and Mining

## Introduction

At the request of ENRON Oil and Gas Company and the Bureau of Land Management, a cultural resources inventory was conducted for the proposed NBU #345-4E well location in Uintah County, Utah. This work was conducted by Carl E. Conner of Grand River Institute under BLM Antiquities Permit No. 54939. It was done to meet requirements of the National Environmental Policy Act of 1969, Executive Order 11593 and other Federal Laws and regulations that protect cultural resources. A files search was conducted through the BLM Vernal District Office on 25 November 1991. Field work was performed on November 26th. One prehistoric site, 42UN1953, was identified, recorded and field evaluated as not eligible for listing on the National Register of Historic Places. The site will be directly affected by the construction of the proposed well site.

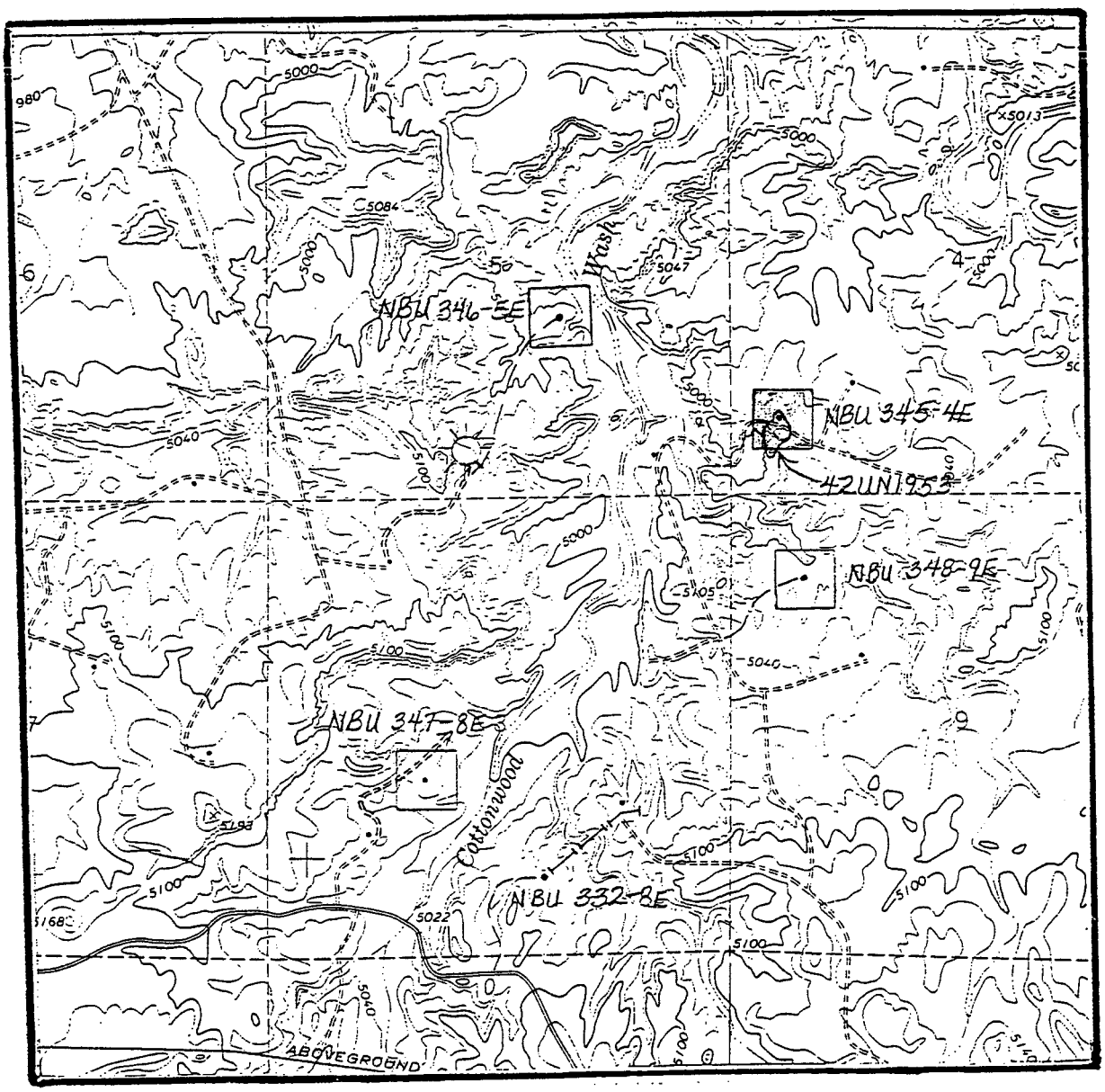
## Location of Project Area

The proposed well is situated about 13 miles south of the town of Ouray, Utah, in Uintah County. It is located in T. 10 S., R. 21 E., Section 4, SW1/4 of the SW1/4, S.L.B.M. (Figure 1).

## Affected Environment

The project area is within the major geologic subdivision of the Colorado Plateau known as the Uintah Basin. The basin is distinctively bowl-shaped and bounded by mountains on all sides (Nickens and Larralde 1980:11). The geology of the area consists of Quarternary- and Tertiary-age deposits which include Holocene and Pleistocene pediment deposits, and Eocene-age fluvial and lacustrine sedimentary rocks.

The Uinta Formation, which is predominate in the project area, is considered to be of very high paleontological sensitivity. As listed by the Utah State Paleontologist's Office for paleontologically sensitive areas, the Uinta Formation is ranked #1 for vertebrate fossils, #4 for trace fossils, and #15 for invertebrate fossils. The area just south of Ouray, across the White River, is called the White River Pocket. It is the area where O. C. Marsh first collected mammal, turtle and crocodillian fossils in 1870, and has been periodically collected since that time. This fossiliferous zone extends both east and west from the White River Pocket area and includes other major fossil collecting localities in the Uinta Formation. To the east are Coyote Wash, Chipeta Wells, Kennedy Hole and Devils




Big Pack Mtn. NE Quadrangle
Utah--Uintah County
1968--Photorevised 1987
USGS 7.5' Series (topographic)
Scale 1:24000
Contour interval 20 feet

T. 10S., R. 21E., S.L.B.M.

Figure 1. Cultural resources inventory for the proposed NBU #345-4E well location in Uintah County, Utah, for ENRON Oil and Gas Company. Area surveyed is outlined. Cultural resource site 42UN1953 is shown in relation to the project area. [GRI Project No. 9160b, 12/6/91]

Playground. To the west are the Myton Pocket, South Leland Bench and several areas north and east of Duchesne. To the north are the Leota, Skull Pass and other quarries. Materials from the area are considered important enough to have had one of the North American Mammalian Ages named the Uintan (personal communication, Alden Hamblin, paleontologist).

Soils in the project area are rocky, clayey, silty, and sandy loams. They are formed in residuum from, and often expose, the underlying Uinta Formation sandstone and clays.

Elevation of the project area ranges from 5000 to 5040 feet. The terrain is barren and predominated by a sagebrush vegetation community. Regional faunal inhabitants include deer, pronghorn, coyote, cottontails, and raptors.

A cool desert climate prevails. Annual precipitation averages from 6 to 10 inches. Temperatures range from 100 F in the summer to -40 F in January. Agriculture is limited by the low rainfall, poor soils, and low winter temperatures. In this area, there is a frost-free period of about 120 days (Nickens and Larralde 1980:13). Paleo-environmental data are scant, but it is generally agreed that gross climatic conditions have remained fairly constant over the last 12,000 years. However, changes in effective moisture and cooling and warming trends probably affected the prehistoric occupation of the region.

## Files Search

A prefield files search made through the BLM Vernal District Office on 25 November 1991 indicated no cultural resources were previously recorded within the bounds of the project area. Typical of the area's archaeology are lithic procurement sites and diffuse lithic scatters (which are often not recorded as sites) found in many of the pediment gravel deposits. Small resource extraction sites, camps found with or near the bounds of these large diffuse lithic scatters, are also common.

Regional archaeological studies suggest nearly continuous human occupation of northeastern Utah for the past 12,000 years. Evidence of the PaleoIndian Tradition, the Archaic Tradition, Fremont Culture, and Protohistoric/Historic Utes has been found. Historic records suggest occupation or use by Euroamerican trappers, settlers, miners, and ranchers as well. Overviews of the prehistory and history of the region are provided in the Utah BLM Cultural Resource Series No. 5, Sample Inventories of Oil and Gas Fields in Eastern Utah (Nickens and Larralde 1980).

## Study Objectives

The purpose of the study was to identify and record all cultural resources within the area of potential impact and to assess their significance and eligibility to the National Register of Historic Places (NRHP). The overall site density within the desert shrub vegetation communities of the Uintah Basin are quite low (0.86 per square mile in the Red Wash area, see Nickens and Larralde 1980:41).

## Field Methods

A Class III, 100% pedestrian, cultural resources survey of the well location was made by walking a series of concentric circles around the flagged center to a diameter of 750 feet, thus covering an area of about 10 acres.

Cultural resources were sought as surface exposures and were characterized as sites or isolated finds. Sites were defined by the presence of six or more artifacts and/or significant feature(s) indicative of patterned human activity. Isolated finds were defined by the presence of 1 to 5 artifacts apparently of surficial nature. Cultural resources encountered were to be recorded to standards set by the Preservation Office of the Utah Division of State History. Artifacts collected will be curated at the Utah Field House of Natural History in Vernal.

## Study Findings/Recommendations

Cultural resources were encountered during the survey. One prehistoric site (42UN1953) was identified. It was field evaluated as non-significant. The site form is provided in the Appendix.

This portion of the report is divided into two sections. The first discusses site significance. The second offers a description that characterizes the site's function, environmental setting and artifact assemblage, and presents the field evaluation. Finally, management recommendations are provided.

## Site Significance

The Code of Federal Regulations was used as a guide for the in-field site evaluations. Titles 36 CFR 50, 36 CFR 800, and 36 CFR 64 are concerned with the concepts of significance and (possible) historic value of cultural resources. Titles 36 CFR 65 and 36 CFR 66 provide standards for the conduct of significant and scientific data recovery activities. Finally, Title 36 CFR 60.6 establishes the measure of significance that is critical to the determination of a site's NRHP eligibility, which is used to assess a site's research potential. In the prehistoric site evaluation, category "d" ("...that have yielded, or may be likely to yield, information important in the prehistory or history...") was used as the measure of significance.

## Site Description

Site 42UN1953 is an open lithic scatter that consists of a broad scatter of twenty artifacts within an area that measures about 160 meters N-S by 50 meters E-W. It is situated on a bench on the east side of Cottonwood Wash, at elevation 5020 feet. Artifacts are found on a sandy west-facing slope. The sand is residual in nature and is formed from a sandstone layer of the Uinta Formation bedrock. The artifacts include a biface, two scrapers, a utilized flake, fourteen flakes and a core. (Figure 2 shows two tools, which were collected.) Twelve of the artifacts are concentrated in a 15 meter by 20 meter area on the south side of the existing road. A core and three flakes were found on the talus in front of a small, south-facing overhang; they appear to represent a small lithic workshop. Materials include brown and purple chert, tan quartzite and tan mudstone--all of which are locally derived. None of the tools are diagnostic, based on present knowledge. There were also no indications of features that would contributed cultural/temporal data.

Because the site is sparse and diffuse, and apparently lacks depth of cultural fill, it is not likely to yield additional information concerning the prehistory of the area. Accordingly, it is field evaluated as non-significant. Since the tools from the site were collected, no further work is recommended. Figure 3 shows the cultural materials of the site in relation to the proposed well location.

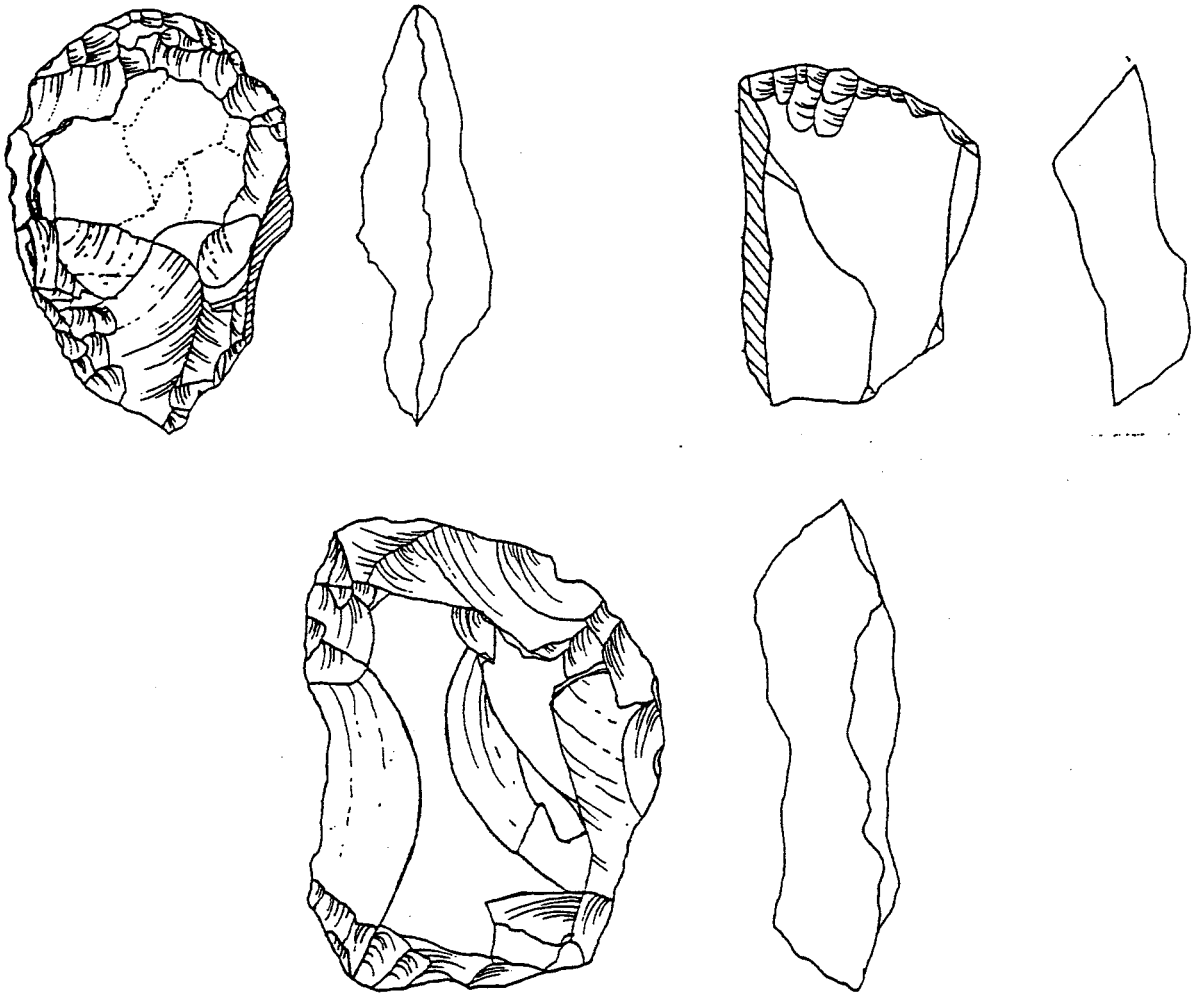


Figure 2. Biface (s.1), end-scraper fragment (s.2), and scraper (s.3) collected from 42UN1953.

References

Nickens, Paul R. and Signa L. Larralde
1980 Archaeological inventory in the Red Wash Cultural Study Tract, Uintah County, Utah. In: Sample Inventories of Oil and Gas Fields in Eastern Utah, Utah BLM Cultural Resource Series No. 5. Bureau of Land Management, Salt Lake.

Personal communication
Alden Hamblin, paleontologist, Vernal

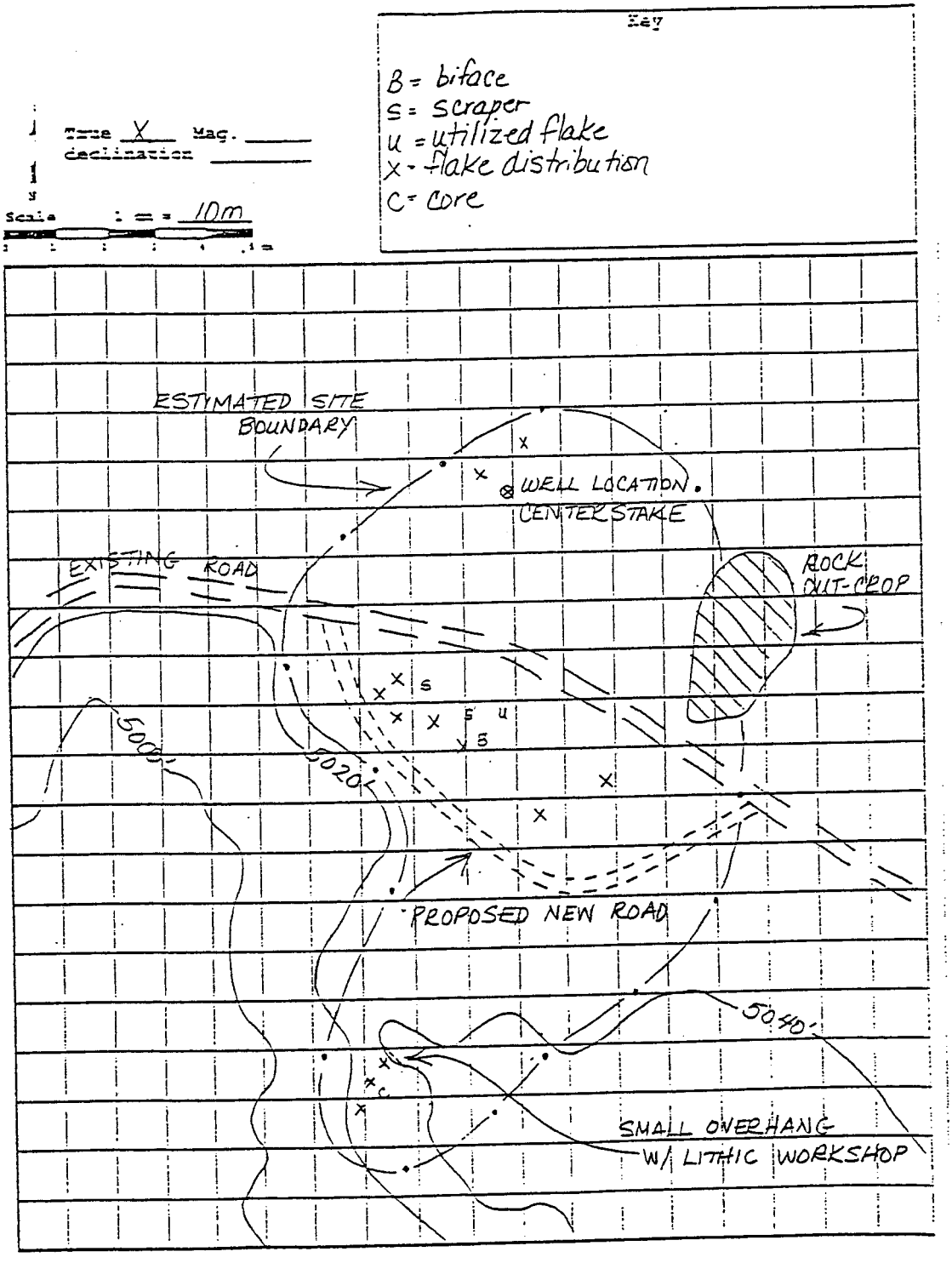



Figure 3. Artifact distribution of site 42UN1953 shown in relation to the proposed well location NBU #345-4E and related road reroute.

# APPENDIX

## IMACS Site Form

# Part B - Prehistoric Sites

Site No.(s) 42UN1953

1. Site Type open lithic scatter, possible small campsite

| *2. Culture | AFFILIATION | DATING | AFFILIATION | DATING |
|---|---|---|---|---|
| | unknown | | | |
| | | | | |

3. Site Dimensions 160 m x 50 m *Area 900 sq m
4. Surface collection/Method ___ None (A) ___ Designed Sample (C)
   x Grab Sample (B) ___ Complete Collection (D)

   Sampling Method tools

5. Estimated Depth of Fill x Surface (A) ___ 20-100 cm (C) ___ Fill noted but unknown
   ___ 0-20 cm (B) ___ 100 cm + (D)

   How estimated road cut
   (If tested, show location on site map.)

*6. Excavated Status ___ Excavated (A) ___ Tested (B) X Unexcavated (C)
   Testing Method

*7. Summary of Artifact and Debris
   x Lithic Scatter (LS) _ Isolated Artifact (IA) _ Burned Stone (BS)
   _ Ceramic Scatter (CS) _ Organic Remains (VR) _ Ground Stone (GS)
   _ Basketry/Textiles (BT) _ Shell (SL) _ Lithic Sources(s)
   Describe low density scatter of 20 artifacts: 1 biface, 2 scrapers, a utilized flake, a core and 16 flakes

*8. Lithic Tools

| # | TYPE | # | TYPE |
|---|---|---|---|
| 1 | biface | | |
| 1 | end-scraper | | |
| 1 | scraper | | |
| 1 | util. flake | | |
| | | | |

   Describe ovate biface (purple chert), uniface end-scraper fragment (mudstone), uniface end-scraper (oolitic chert), utilized flake (brn chert).

*9. Lithic Debitage - Estimated Total Quantity _ None (A) x 10-25 (C) _ 100-500 (E)
   _ 1-9 (B) _ 25-100 (D) _ 500+ (F)

   Material Type chert and quartzite
   Flaking Stages (0) Not Present (1) Rare (2) Common (3) Dominant
   Decortication 1 Secondary 2 Tertiary 2 Shatter 0 Core 1

*10. Maximum Density-#/sq m (all Lithics) 1/1 sq m

1990

# IMACS ENCODING FORM

To be completed for each site form.
For instructions and codes, see IMACS Users Guide.

Encoder's Name R. Hutchins

**A**

1 42-UN-0019533 — State Site Number
2 — Agency Site Number
6 — Agency Report Number
10 0520 — Elevation
11 12 — Zone
62260 — Easting
4425460 — Northing

12 NW — 1/4
SW — 1/4
SW — 1/4
04 — Sec.
10 S — T.
021 E — R.

13 1 — Merid.
14 BIG PACK MTN — USGS Map
17 LM — Owner

18 BB — Forest
K7 — Dist./Park
19 — Loc. Curated Materials
21 C — Cond.
22 ER — Impacts
RD — Impacts
23 D — N.R.
26 GB — Organ.
28 11-26-91 — Survey Date
29 04 — Slope
220 — Aspect
30 011 B — Water: distance/type
31 CAA — Geog. Unit
32 C — 1st Topographic Location
R — 2nd Topographic Location
33 U — Dep.
34 F 000 — Vegetation (1 2 3)
35 Curated Materials at: UTAH FIELD HOUSE OF NAT. HISTO — Misc. Text, Site Name

**B**

2 — Culture/Dating Method
3 0090 — Area
4 B — Collect
5 A — Depth
6 C — Excav. Status
7 LS — Prehistoric Artifacts

8 1 IG
2 IH
1 IA — Lithic Tools: # / type
9 C — #
1221 — Flaking Stages
11 — Ceramics: # / type
13 — Features: # / type
14 — Architecture: # / material / type

**C**

2 — Historic Themes
3 — Cultures / Dating Method
4 — Dates
5 — Area
6 — Collect.
7 — Depth
8 — Excav. Status
9 — Artifacts
14 — Features: # / type
15 — Architecture: # / material / type

LETTERING GUIDE A B C D E F G H I J K L M N O P Q R S T U V W X Y Z 1 2 3 4 5 6 7 8 9 0

Management Data Form
Site Sketch Map
(page 3 of 3)

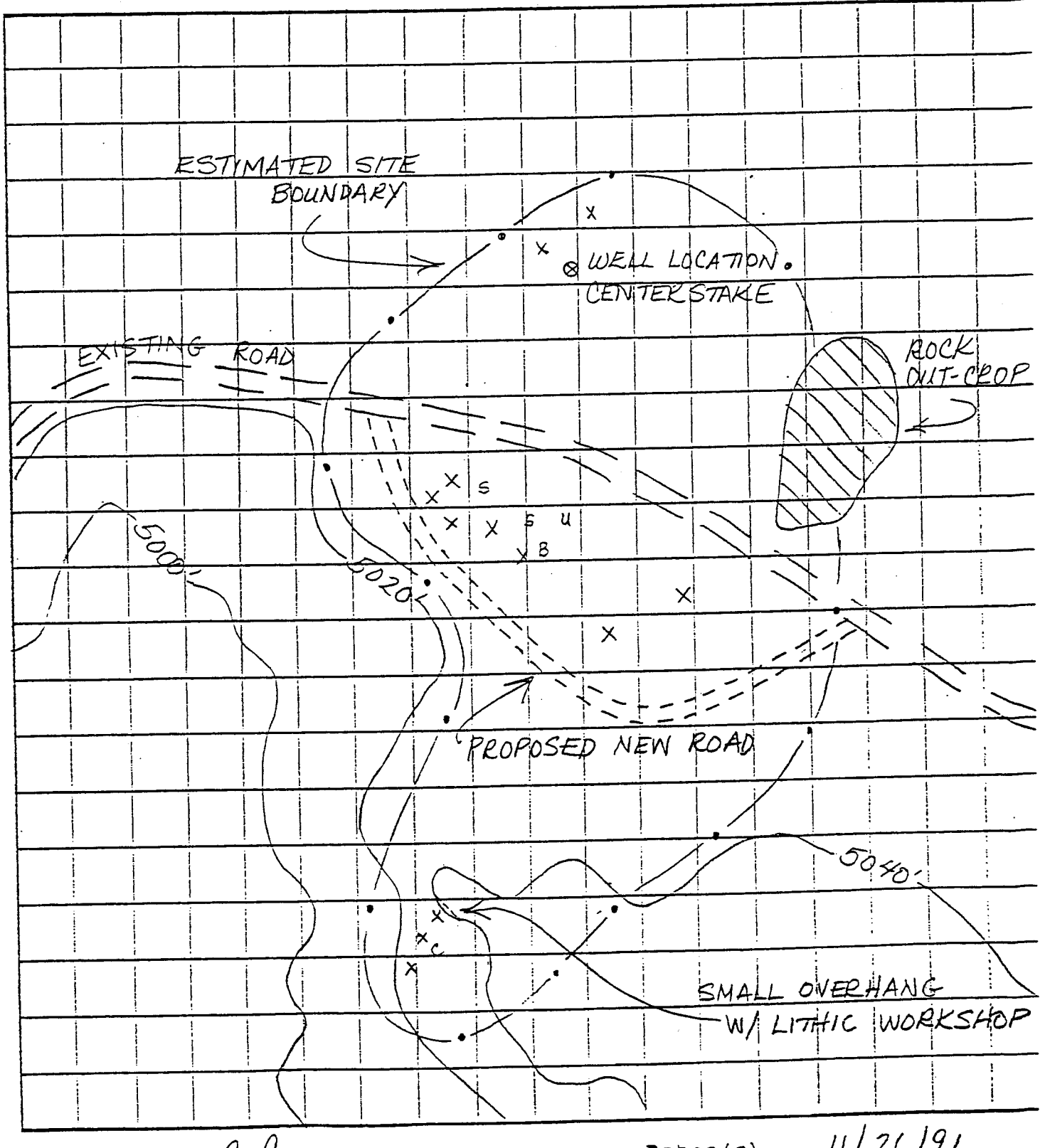
True X Mag. ____
declination ____

N

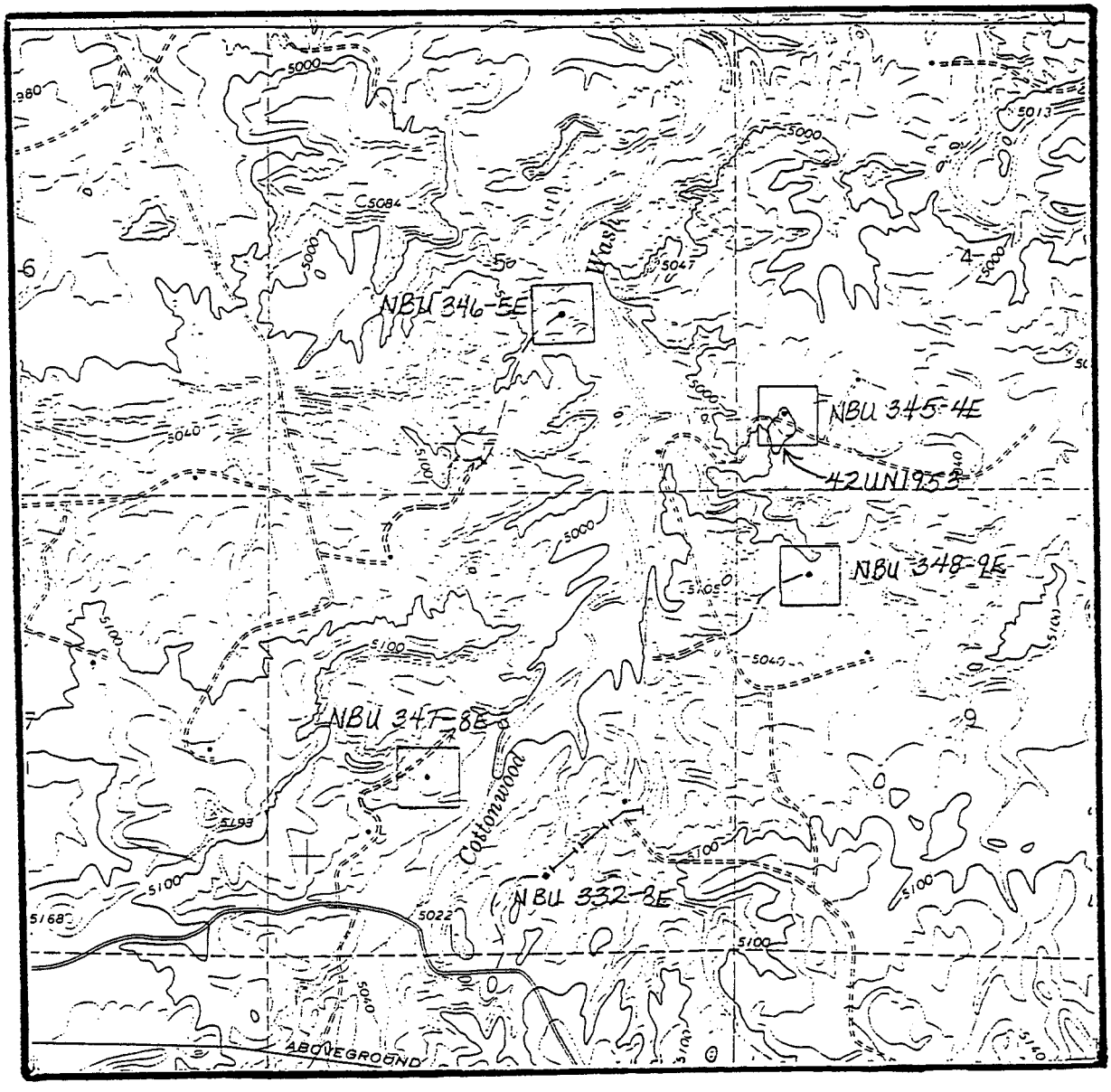
Scale 1 cm = 10m

Key

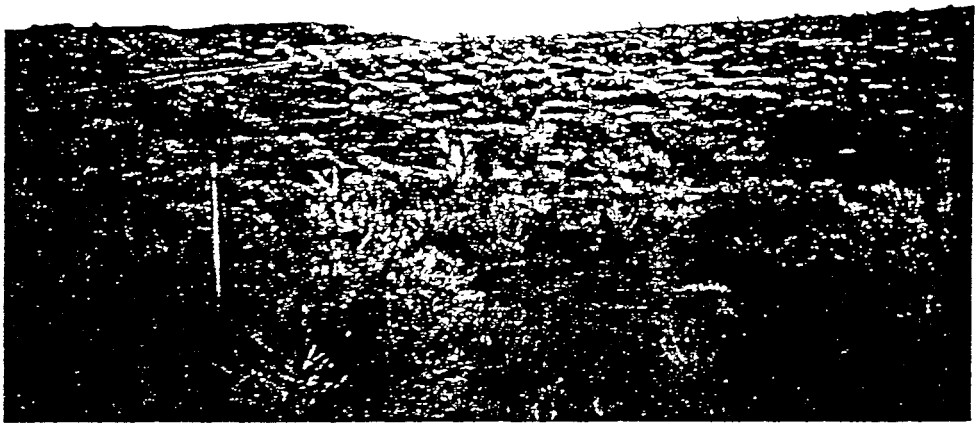
B = biface
S = scraper
u = utilized flake
x = flake distribution
C = core




Mapper(s) C. Conner Dates(s) 11/26/91




Big Pack Mtn. NE Quadrangle
Utah--Uintah County
1968--Photorevised 1987
USGS 7.5' Series (topographic)
Scale 1:24000
Contour interval 20 feet



Site No.: 42UN1953 Photo No.: 9160-1:6
View: East Date: 11/26/91
Comment: Overview of site area from west side, south of road.

Site No.: 42UN1953 Photo No.: 9160-1:9
View: North Date: 11/26/91
Comment: Overview of small rockshelter on south end of site.

# Cultural Resources Inventory Report
for
Seven Proposed Well Locations and Two Pipeline Routes
in Uintah County, Utah
for
ENRON Oil and Gas Company

GRI Project No. 9160

December 6, 1991

Prepared by

Grand River Institute
P.O. Box 3543
Grand Junction, Colorado 81502
UDSH Project Authorization No. U-91-GB-796b

Carl E. Conner, Principal Investigator

Submitted to

The Bureau of Land Management
Vernal District Office
P.O. Box F
Vernal, Utah 84078

DEC

U.S.
Department of the Interior
Bureau of Land Management
Utah State Office

Summary Report of
Inspection for Cultural Resources

Project Authorization No. U-91-GB-796b

Report Acceptable Yes __ No __

Mitigation Acceptable Yes __ No __

Comments: _____

1. Report Title NBU #345-4E

2. Development Company ENRON Oil and Gas Company

3. Report Date 12 06 1991 4. Antiquities Permit No. 91-UT-54939

5. Responsible Institution GRAND RIVER INS County Uintah

6. Fieldwork Location: TWN 10S Range 21E Section(s) 04

TWN ____ Range ____ Section(s) ____

7. Resource Area BC TWN ____ Range ____ Section(s) ____

PO=Pony Express, BR=Bear River, WS=Warm Springs, BC=Book Cliffs, HR=House Range,
SE=Sevier River, HM=Henry Mountains, BE=Beaver River, DX=Dixie, KA=Kanab,
ES=Escalante, SJ=San Juan, GR=Grand, SR=San Raphael, DM=Diamond Mountain

8. Description of Examination Procedures: A 100 percent pedestrian cultural resources survey of the proposed well location was made by walking a series of concentric circles around the flagged center to a diameter of 750 feet, thus covering an area of about 10 acres.

9.
Linear Miles Surveyed and/or ____
Definable Acres Surveyed and/or ____
Legally Undefinable Acres Surveyed 10

10. Inventory Type I

R=Reconnaissance
I=Intensive
S=Statistical

11. Description of Findings (attach appendices, if appropriate)

One prehistoric lithic scatter, 42UN1953, was identified.
(See attached report.)

12. Number Sites found 1
No sites = 0

13. Collection Y
Y=Yes N=No

14. Actual/Potential National Register Properties Affected: None.

15. Literature Search, Location/Date: BLM Vernal District Office, 11/25/91

16. Conclusion/Recommendations: Site 42UN1953 is field evaluated as not eligible for listing on the National Register of Historic Places. Thus, no significant historic properties will be affected by the proposed project. (See attached report.)

17. Signature of Administrator & Field Supervisor: Administrator Carl E. Conner

Field Supervisor _____

*For extra locationals use additional 8100-3 forms

UT 8100-3
(2/85)

# IMACS SITE FORM

## Part A - Administrative Data

INTERMOUNTAIN ANTIQUITIES COMPUTER SYSTEM
Form approved for use by
BLM-Utah, Idaho, Wyoming
Division of State History-Utah, Wyoming
USFS-Intermountain Region
NPS-Utah, Wyoming

1. State No. 42UN1953
2. Agency No. _____
3. Temp. No. GRI9160:A-1

4. State Utah County Uintah
5. Project GRI #9160b -- ENRON NBU #345-4E well location
*6. Report No. _____
7. Site Name _____
8. Class X Prehistoric ___Historic ___Paleontologic ___Ethnographic
9. Site Type open lithic scatter
*10. Elevation 5020 ft.
*11. UTM Grid Zone 12 | 622600 m E | 4425460 m N
*12. NW of SW of SW of Section 04 T. 10 S. R. 21 E.
*13. Meridian SLBM
*14. Map Reference Big Pack Mtn., 1968
15. Aerial Photo _____
16. Location and Access From Ouray travel 11.5 miles south, turn east. Travel 3.4 miles, turn north. Travel 2.3 miles to bench top overlooking Cottonwood Wash, site lies on either side of road.

*17. Land Owner BLM
*18. Federal Administrative Units _____
*19. Management Unit (USFS only) _____
20. Site Description Site 42UN1953 is an open lithic scatter that consists of a broad scatter of twenty artifacts within an area that measures about 160 meters N-S by 50 meters E-W. It is situated on a bench on the east side of Cottonwood Wash, at elevation 5020 feet. Artifacts are found on a sandy west-facing slope. The sand is residual in nature and is formed from a sandstone layer of the Uinta Formation bedrock. The artifacts include a biface, two scrapers, a utilized flake, fourteen flakes and a core. Twelve of the artifacts are concentrated in a 15 meter by 20 meter area on the south side of the existing road. A core and three flakes were found on the talus in front of a small, south-facing overhang; they appear to represent a small lithic workshop. Materials include brown and purple chert, tan quartzite and tan mudstone--all of which are locally derived. None of the tools are diagnostic, based on present knowledge. There were also no indications of features that would contributed cultural/temporal data. Because the site is sparse and diffuse, and apparently lacks depth of cultural fill, it is not likely to yield additional information concerning the prehistory of the area. Accordingly, it is field evaluated as non-significant.
*21. Site Condition ___Excellent (A) ___ Good (B) X Fair (C) ___ Poor (D)
*22. Impact Agent(s) erosion and road construction

23. National Register Status __ Significant(C) X Non-Significant(D) __ Unevaluated(Z)
Justify This site is not likely to yield additional information important to prehistory of the area.
24. Photos 9160-1:6-11
25. Recorded by Carl E. Conner
*26. Survey Organization Grand River Institute *28. Survey date 11/26/91
27. Assisting Crew Members Terri Horton

*Encoded data items

# Part A - Administrative Data

*29. Slope 4 (Degrees) 220 Aspect (Degrees)

*30. Distance to Permanent Water 11.2 x 100 Meters

*Type of Water Source __ Spring/Seep (A) X Stream/River (B) __ Lake (C) __ Other (D)

Name of Water Source White River

*31. Geographic Unit Uinta Basin

*32. Topographic Location (check one under each heading)

| PRIMARY LANDFORM | SECONDARY LANDFORM | | | |
|---|---|---|---|---|
| _ mountain spine (A) | _ alluvial fan (A) | _ dune (I) | _ slope (Q) | _ riser (Y) |
| _ hill (B) | _ alcove/rockshelter (B) | _ floodplain (J) | x terrace/bench (R) | _ Multiple S. Landforms (1) |
| x tableland/mesa (C) | _ arroyo (C) | _ ledge (K) | _ talus slope (S) | _ Bar (2) |
| _ ridge (D) | _ basin (D) | _ mesa/butte (L) | _ island (T) | _ Lagoon (3) |
| _ valley (E) | _ cave (E) | _ playa (M) | _ outcrop (U) | _ Ephemeral Wash (4) |
| _ plain (F) | _ cliff (F) | _ port.geo.feat. (N) | _ spring mound/bog (V) | _ Kipuka (5) |
| _ canyon (G) | _ delta (G) | _ plain (O) | _ valley (W) | _ Saddle/Pass (6) |
| _ island (H) | _ detached monolith (E) | _ ridge/knoll (P) | _ cutbank (X) | _ |

Describe First bench above Cottonwood Wash

*33. On-site Depositional Context

| | | | |
|---|---|---|---|
| _ fan (A) | _ outcrop (Q) | _ morraine (J) | _ desert pavement (P) |
| _ talus (B) | _ extinct lake (F) | _ floodplain (K) | _ stream bed (R) |
| _ dune (C) | _ extant lake (G) | _ marsh (L) | _ aeolian (S) |
| _ stream terrace (D) | _ alluvial plain (E) | _ landslide/slump (M) | _ none (T) |
| _ playa (E) | _ colluvium (I) | _ delta (N) | x residual (U) |

Description of Soil sandy, light brown

*34. Vegetation

*a. Life Zone _ Artic-Alpine (A) _ Hudsonian (B) _ Canadian (C) _ Transitional (D) _ Upper Sonoran (E) x Lower Sonoran (F)

*b. Community 0 - Primary On-Site 0 - Secondary On-Site 0 - Surrounding Site

| | | | |
|---|---|---|---|
| Aspen (A) | Other/Mixed Conifer (G) | Grassland/Steppe (M) | Marsh/Swamp (S) |
| Spruce-Fir (B) | Pinyon-Juniper Woodland (H) | Desert Lake Shore (N) | Lake/Reservoir (T) |
| Douglas Fir (C) | Wet Meadow (I) | Shadscale Community (O) | Agricultural (U) |
| Alpine Tundra (D) | Dry Meadow (J) | Tall Sagebrush (P) | Blackbrush (V) |
| Ponderosa Pine (E) | Oak-Maple Schrub (K) | Low Sagebrush (Q) | Creosote Bush (Y) |
| Lodgepole Pine (F) | Riparian (L) | Barren (R) | |

Describe desert shrubland

*35. Miscellaneous Text

36. Comments/continuations/Location of Curated Materials and Records

Curated materials and records: Utah Field House of Natural History, Vernal

List of Attachments: x Part B x Topo Map x Photos _ Continuation Sheets
_ Part C x Site Sketch _ Artifact/Feature Sketch _ Other

COPY
INIT. DATE 4/9/02

# CULTURAL RESOURCE INVENTORY OF EL PASO PRODUCTION'S SEVEN WELL LOCATIONS IN NATURAL BUTTES, UINTAH COUNTY, UTAH

Keith R. Montgomery
and
Sarah Ball

Prepared For:

Bureau of Land Management
(Vernal Field Office)

Prepared Under Contract With:

El Paso Production Oil and Gas Company
1368 South 1200 East
Vernal, Utah 84078

Prepared By:

Montgomery Archaeological Consultants
P.O. Box 147
Moab, Utah 84532

MOAC Report No. 02-46

April 2, 2002

United States Department of Interior (FLPMA)
Permit No. 01-UT-60122

State of Utah Antiquities Project (Survey)
Permit No. U-02-MQ-0121b

# INTRODUCTION

A cultural resource inventory was conducted by Montgomery Archaeological Consultants (MOAC) in March 2002 for El Paso Production Oil and Gas Company's seven proposed well locations. The proposed well locations with access and pipeline corridors are situated in the Natural Buttes area, southeast of Ouray, Utah (Figures 1, 2, and 3). The survey was implemented at the request of Mr. Carroll Estes, El Paso Production Oil and Gas Company, Vernal, Utah. The project is situated on land administered by the Bureau of Land Management (BLM), Vernal Field Office.

The objective of the inventory was to locate, document, and evaluate any cultural resources within the project area in order to comply with Section 106 of 36 CFR 800, the National Historic Preservation Act of 1966 (as amended). Also, the inventory was implemented to attain compliance with a number of federal and state mandates, including the National Environmental and Policy Act of 1969, the Archaeological and Historic Conservation Act of 1972, the Archaeological Resources Protection Act of 1979, the American Indian Religious Freedom Act of 1978, and Utah State Antiquities Act of 1973 (amended 1990).

The fieldwork was performed on March 28 and 29, 2002 by Keith R. Montgomery, (Principal Investigator), and Jacki Montgomery. The project was initiated under the auspices of U.S.D.I. (FLPMA) Permit No. 01-UT-60122 and State of Utah Antiquities Permit (Survey) No. U-02-MQ-0121b issued to MOAC.

A file search was performed by Keith Montgomery at the BLM Vernal Field Office on March 28, 2002. This consultation indicated that several archaeological inventories have been completed in or near the project area. In 1979, Archaeological-Environmental Research Corporation (AERC) conducted a survey of sample areas within the Natural Buttes oil and gas field for the BLM (Hauck et.al. 1979). The survey resulted in the discovery of 20 sites, 18 of which were prehistoric, and 10 isolated finds of artifacts. None of the sites found by AERC are located immediately within the project area. In 1981, BYU completed an inventory for the TOSCO Corporation shale oil recovery plant and facilities, revisiting one site (42Un960), and finding 21 new archaeological sites (42Un1038 to 42Un1059) (Nielson 1981). None of the sites documented are in the project area. In 1991, Metcalf Archaeological Consultants (MAC) inventoried eighteen Natural Butte well locations for Coastal Oil and Gas, resulting in one new archaeological site (42Un1831), and one revisit (42Un1042), neither of which is located within the immediate project area (O'Brian et. al. 1991). None of the cultural resources inventoried occur near or within the current project areas. In 1991, Metcalf Archaeological Consultants conducted inventories for Coastal Oil and Gas, finding two isolated finds of artifacts (Scott 1991a) and documenting five archaeological sites (Scott 1991b). Two of these sites occur within the immediate project area and are eligible for inclusion in the NRHP. These are 42Un1819, a lithic scatter, and 42Un1820, a rock shelter. Grand River Institute completed a survey of seven well locations and two pipelines for Enron Oil and Gas in 1991, documenting a lithic scatter (42Un1953), evaluated as not eligible to the NRHP (Conner 1991). The site occurs within

the current project area. In 1995, AERC surveyed the Glen Bench Road, documenting an ineligible lithic scatter (42Un1792) that occurs outside of the immediate project vicinity (Hauck and Hadden 1995). In 2001, MOAC conducted an inventory of 11 well locations for El Paso Oil & Gas, finding no archaeological resources (Montgomery 2001a). Also in 1991, MOAC surveyed eight well locations for El Paso Oil & Gas, finding a prehistoric temporary camp (42Un2960), in a section adjoining the current project area (Montgomery 2001b). MOAC completed an inventory near the current project area for El Paso Oil & Gas in 2001, locating no cultural resources (Montgomery 2002).

In summary, several inventories have been completed in and near the current project area, resulting in the documentation of numerous archaeological sites. The only sites that are situated within the immediate project area are: 42Un1819, an eligible lithic scatter, 42Un1820, an eligible rock shelter, and 42Un1953, an ineligible lithic scatter.

## DESCRIPTION OF PROJECT AREA

The seven proposed El Paso Production well locations, access and pipeline corridors are situated in the Natural Buttes Field, southeast of Ouray, Utah (Table 1). The legal description is T 9S, R 21E, Sections 28, 30, and 35 and T 10S, R 21E, Sections 4, 9, and 14 (USGS 7.5' Ouray SE Quadrangle; USGS 7.5' Big Pack Mtn. NE Quadrangle).

Table 1. El Paso Production's Natural Butte Seven Well Locations

| Well Location Designation | Legal Location | Location at Surface | Access/Pipeline | Cultural Resources |
|---|---|---|---|---|
| NBU #434 | T 10S, R 21E, S. 14 | 1942' FNL 686' FEL | Access/Pipeline in 10 acre | 42Un1819 42Un1820 |
| NBU #435 | T 9S, R 21E, S. 28 | 660' FNL 845' FWL | Access/Pipeline 550' | None |
| NBU #445 | T 9S, R 21E, S. 30 | 1670' FSL 2370' FEL | Pipeline 1250' | None |
| NBU #447 | T 10S, R 21E, S. 4 | 724' FNL 603' FWL | Pipeline 950' | 42Un1953 |
| CIGE #283 | T 9S, R 21E, S. 35 | 922' FSL 714' FEL | Access/Pipeline 150' | 42Un3017 |
| CIGE #286 | T 10S, R 21E, S. 9 | 2230' FNL 783' FEL | Access/Pipeline in 10 acre | None |
| CIGE #287 | T 10S, R 21E, S. 9 | 1726' FSL 1969' FEL | Access/Pipeline 200' | None |

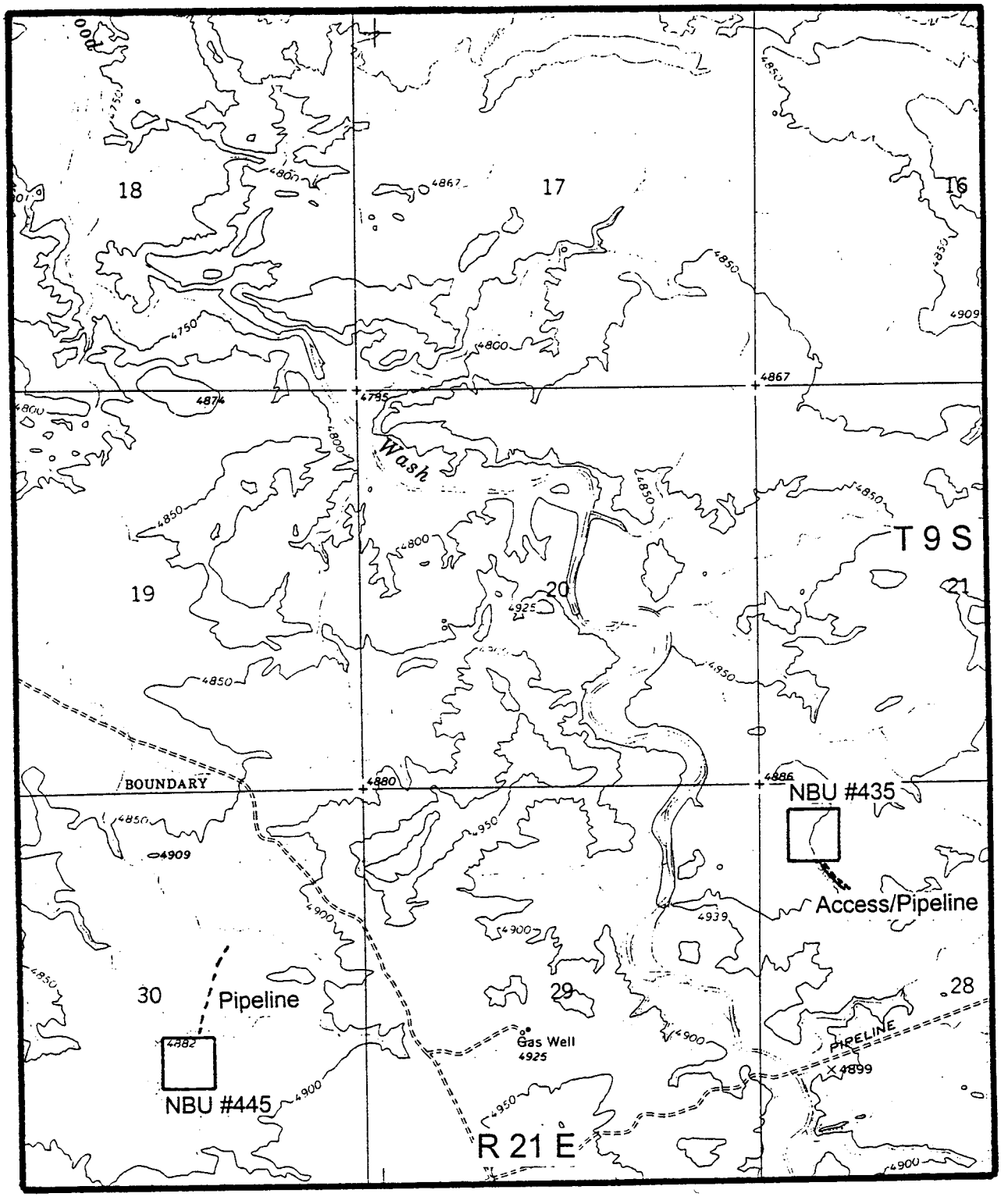



Figure 1. Inventory Area of El Paso Production Oil and Gas Company's NBU #435 and NBU #445 Well Locations. USGS 7.5' Ouray SE, Utah 1964. Scale 1:24000.

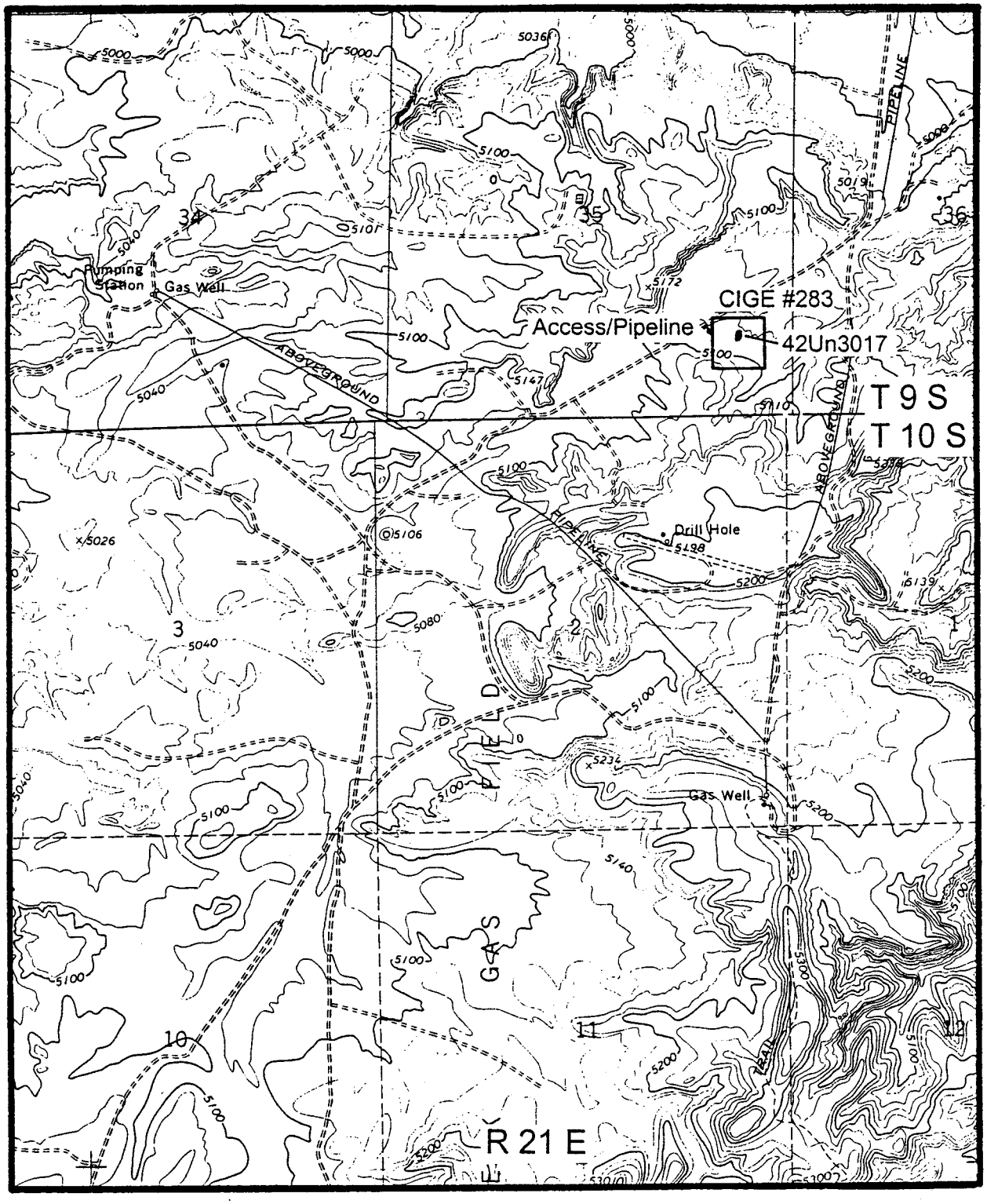



Figure 2. Inventory Area of El Paso Production Oil and Gas Company's CIGE #283 Well Location with Cultural Resources. USGS 7.5' Big Pack Mtn. NE, Utah 1968. Scale 1:24000.

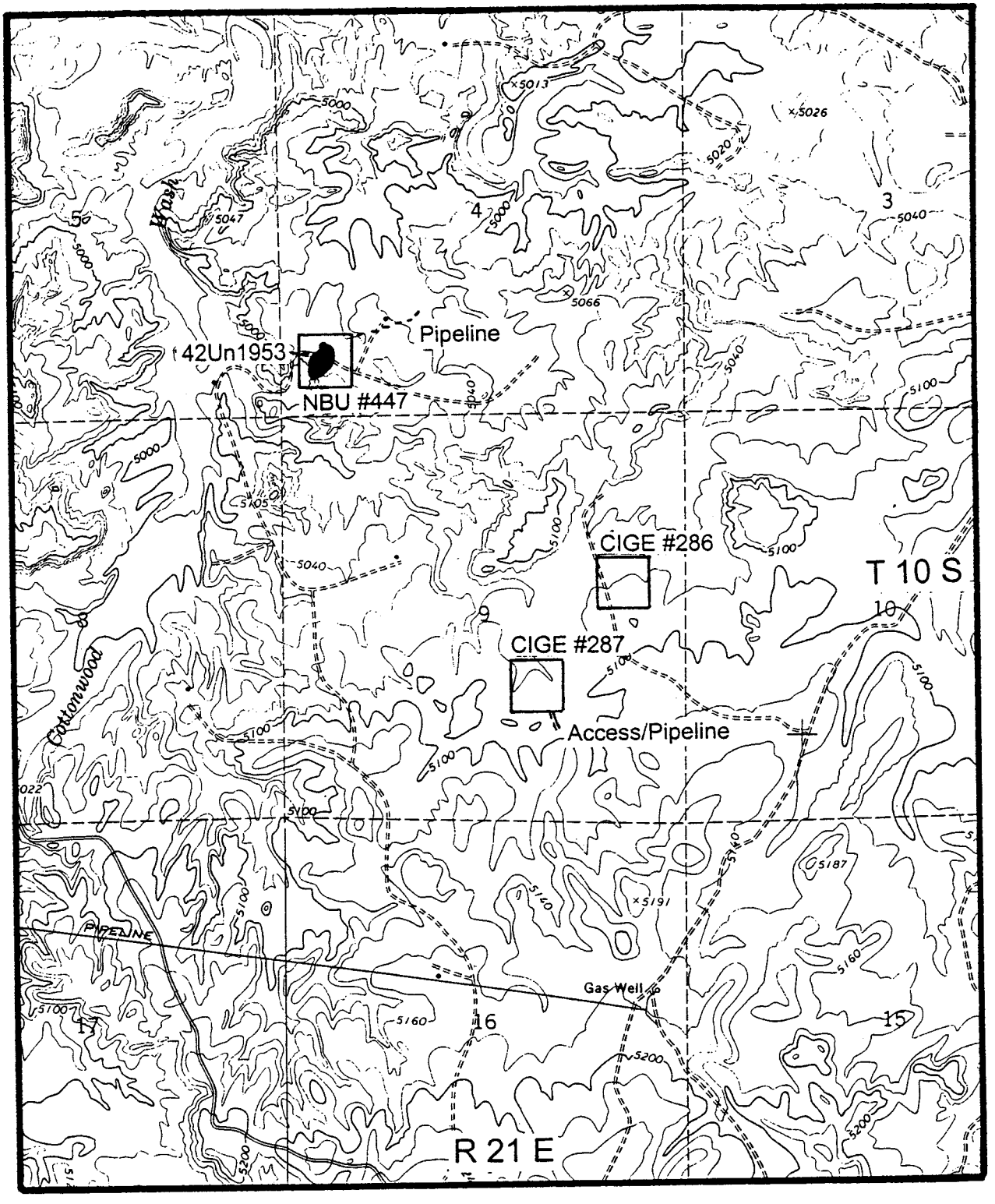



Figure 3. Inventory Area of El Paso Production Oil and Gas Company's CIGE #286, CIGE #287 and NBU #447 Well Locations with Cultural Resources. USGS 7.5' Big Pack Mtn. NE, Utah 1968. Scale 1:24000.

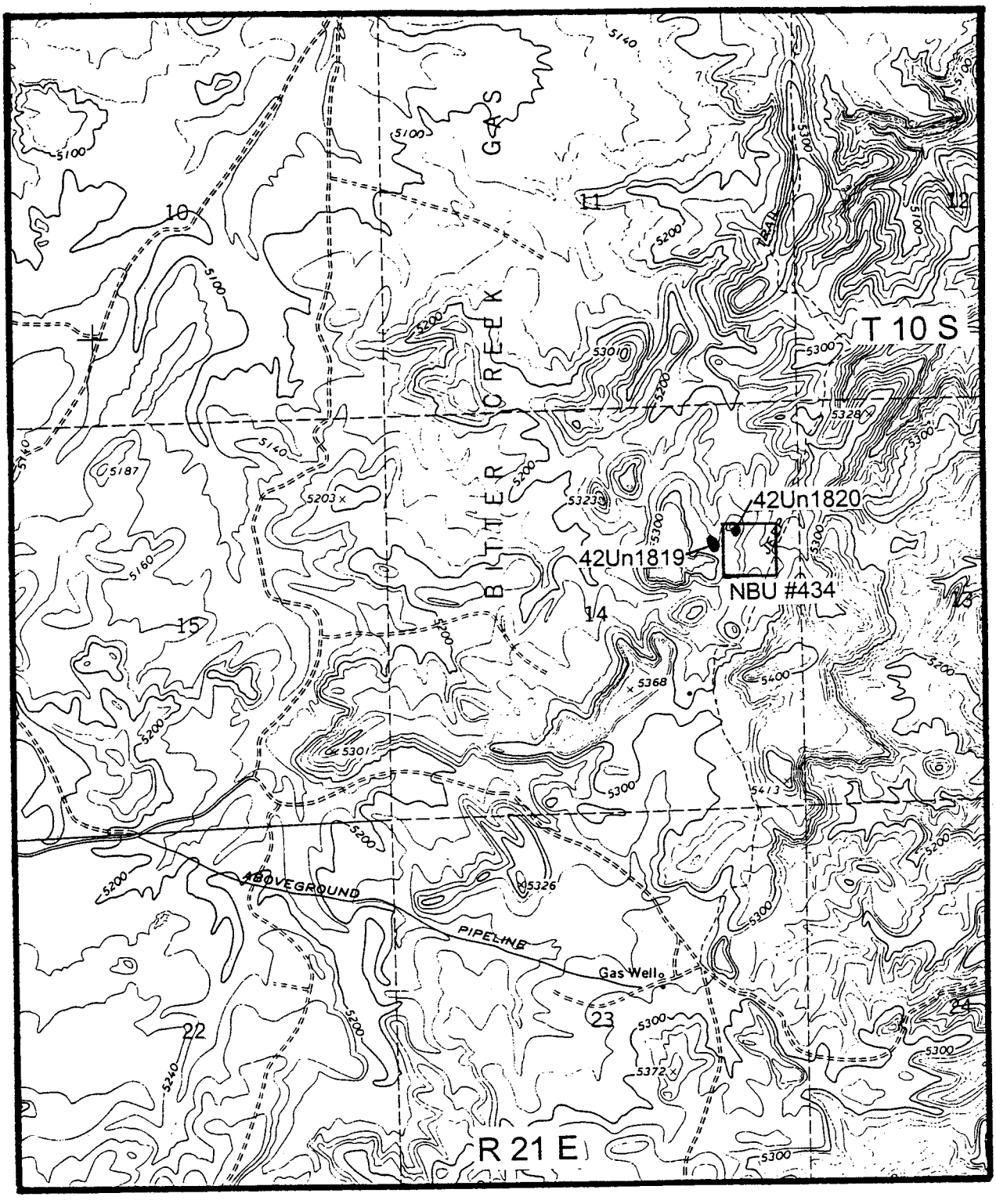



Figure 4. Inventory Area of El Paso Production Oil and Gas Company's NBU #434 Well Location with Cultural Resources. USGS 7.5' Big Pack Mtn. NE, Utah 1968. Scale 1:24000.

## Environment

The study area lies within the Uinta Basin physiographic unit, a distinctly bowl-shaped geologic structure (Stokes 1986:231). The Uinta Basin ecosystem is within the Green River drainage, considered to be the northernmost extension of the Colorado Plateau. The geology is comprised of Tertiary age deposits which include Paleocene age deposits, and Eocene age fluvial and lacustrine sedimentary rocks. The Uinta Formation, which is predominate in the project area, occurs as eroded outcrops formed by fluvial deposited, stream laid interbedded sandstone and mudstone, and is known for its prolific paleontological localities. Specifically, the project area occurs on the east and west sides of Cottonwood Wash on the valley floors which are interspersed by flat topped buttes and narrow steep-sided ridges. The area is heavily dissected and carved by ephemeral drainages. The surface geology consists of hard pan residual soil armored with shale and sandstone pebbles as well as some sand shadows. The elevation ranges between 4870 and 5140 feet a.s.l. The project occurs within the Upper Sonoran Desert Shrub Association which includes shadscale, greasewood, mat saltbrush, snakeweed, rabbitbrush, prickly pear cactus, Indian ricegrass and non-native plants and grasses. Modern disturbances include roads and oil/gas development.

## Cultural History

The cultural-chronological sequence represented in the study area includes the Paleoindian, Archaic, Fremont, Protohistoric, and Euro-American stages. The earliest inhabitants of the region are representative of the Paleoindian stage (ca. 12,000-8,000 B.P.). This stage is characterized by the adaptation to terminal Pleistocene environments and by the exploitation of big game fauna. The presence of Paleoindian hunters in the Uinta Basin region is inferred by the discovery of Clovis and Folsom fluted points (ca. 12,000 B.P. - 10,000 B.P.), as well as the more recent Plano Complex lanceolate projectile points (ca. 10,000 B.P. - 7,000 B.P.). However, no such artifacts have been recovered in stratigraphic or chronometrically controlled contexts in northeastern Utah.

The Archaic stage (ca. 8,000 B.P. - 1,500 B.P.) is characterized by peoples depending on a foraging subsistence strategy, seasonally exploiting a wide spectrum of plant and animal species in different ecozones. The shift to an Archaic lifeway was marked by the appearance of new projectile point types perhaps reflecting the development of the atlatl in response to a need to pursue smaller and faster game (Holmer 1986). In the Uinta Basin, evidence of widespread Early Archaic exploitation is relatively sparse compared to the subsequent Middle and Late Archaic periods. Early Archaic (ca. 6000 to 4000 B.C) sites in the basin include sand dune sites and rockshelters clustered mainly in the lower White River drainage as well as along the Green River in the Browns Park and Flaming Gorge area (Spangler 1995:373). Projectile points recovered from Uinta Basin contexts include Pinto Series, Humboldt, Elko Series, Northern Side-notched, Hawken Side-notched, Sudden Side-notched and Rocker Base Side-notched points. Excavated sites in the area with Early Archaic components include Deluge Shelter in Dinosaur National

Monument (Leach 1970), and open campsites along the Green River and on the Diamond Mountain plateau (Spangler 1995:374). The Middle Archaic period (ca. 4000 to 1000 B.C.) is characterized by improved climatic conditions and increased human populations on the northern Colorado Plateau. Several stratified Middle Archaic sites have been excavated and dozens of sites have been documented in the Uinta Basin. Middle Archaic sites in the area reflect cultural influences from the Plains, although a Great Basin and/or northern Colorado Plateau influence is represented in the continuation of the Elko Series projectile points. Subsistence data from Middle Archaic components indicate gathering and processing of plants as well as faunal exploitation (e.g., mule deer, antelope, bighorn sheep, cottontail rabbit, muskrat, prairie dog, beaver and birds). The Late and Terminal Archaic periods (ca. 1000 B.C. to A.D. 550) in the Uinta Basin are distinguished by the continuation of Elko Series atlatl points with the addition of semi-subterranean residential structures at base camps. By about A.D. 100, maize horticulture and Rose Springs arrow points had been added to the Archaic lifeway. In the Uinta Basin, the earliest evidence of Late Archaic architecture occurs at the Cockleburr Wash Site (42Un1476), where a temporary structure, probably a brush shelter, yielded a date of 316 B.C. The structure was probably associated with seasonal procurement of wild floral resources gathered along Cliff Creek (Tucker 1986).

The Formative stage (A.D. 500-1300) is recognized in the area as the Uinta Fremont as first termed by Marwitt (1970). This stage is characterized by reliance upon domesticated corn and squash, increasing sedentism, and in its later periods, substantial habitation structures, pottery, and bow and arrow weapon technology. Based on the evidence from Caldwell Village, Boundary Village, Deluge Shelter, Mantles Cave and others, the temporal range of the Uinta Fremont appears to be from A.D. 650 to 950. This variant is characterized by shallow, saucer-shaped pithouse surface structures with randomly placed postholes and off-center firepits, some of which were adobe-rimmed. Traits considered unique or predominate to the Uinta Basin include calcite-tempered pottery, two-handled wide-mouth vessels, Uinta type metates, the use of gilsonite for pottery repair, settlement on tops of buttes and large-shouldered bifaces (Shields 1970).

Archaeological evidence suggests that Numic peoples appeared in east-central Utah at approximately A.D. 1100 or shortly before the disappearance of Formative-stage peoples (Reed 1994). The archaeological remains of Numic-speaking Utes consist primarily of lithic scatters with low quantities of brown ware ceramics, rock art, and occasional wickiups. The brown ware ceramics appear to be the most reliable indicator of cultural affiliation, as Desert Side-notched and Cottonwood Triangular points were manufactured by other cultural groups beside the Ute (Horn, Reed, and Chandler 1994:130). The Ute appear to have been hunter and gatherers exploiting various faunal and floral resources.

## SURVEY METHODOLOGY

An intensive pedestrian survey was performed for this project which is considered 100% coverage. At each of the proposed well locations, a ten acre area centered on the center stake of the location was surveyed by the archaeologists walking parallel transects spaced no more than 30 feet apart. The access and pipeline corridors were 100 feet wide, surveyed by walking parallel transects along the staked centerline, spaced no more than 10 m (30 ft) apart. A wider corridor (150 foot) was inspected when access/pipeline routes shared a corridor. Ground visibility was considered to be good. A total of 78.2 acres was inventoried, all of which occurs on BLM (Vernal Field Office) administered land.

Cultural resources were recorded either as archaeological sites or isolated finds of artifacts. An archaeological site was defined as a spatially definable area with features and/or ten or more artifacts. Sites were documented by archaeologists walking transects, spaced no more than 3 meters apart, and marking the locations of cultural materials with pinflags. This procedure allowed clear definition of site boundaries and artifact concentrations. At the completion of the surface inspection, a transit was employed to point-provenance diagnostic artifacts and other relevant features in reference to the site datum. Archaeological sites were plotted on a 7.5' USGS quadrangle and photographed; site data were entered on an Intermountain Antiquities Computer System (IMACS, 1990 version) inventory form. Permanent datums were placed at the sites consisting of a rebar and aluminum cap stamped with the site number. An isolated find was defined as an individual artifact, or light scatter of items, lacking sufficient material culture to warrant an IMACS form, or to derive interpretation of human behavior in a cultural and temporal context. All isolated artifacts were plotted on a 7.5' USGS map and are described in this report.

## INVENTORY RESULTS

The inventory of the seven proposed El Paso Production Oil and Gas Company well locations resulted in the location of one new archaeological site (42Un3017), and relocation of three previously documented sites (42Un1819, 42Un1820, and 42Un1953).

### Archaeological Sites

Smithsonian Site No.: 42Un1819
Temporary Site No.: N/A
Land Status: BLM
NRHP Eligibility: Eligible

Description: This is an open lithic scatter of unknown cultural affiliation, with few artifacts. The site was originally documented by Metcalf Archaeological Consultants in 1990. Artifacts consist of two quartzite and two chert secondary flakes, a possible mano, and a biface. Two concentrations of firecracked rocks are present (Features 1 and 2). Feature 1 is located near an overhanging rock, and includes approximately 16 to 20 pieces of

oxidized and firecracked sandstone rock scattered throughout a 5 meter diameter area. Feature 2 is deflated and is beginning to erode downslope. The feature consists of 25 to 30 pieces of oxidized and firecracked sandstone. No ash or charcoal is visible with either of the features.

Smithsonian Site No.: 42Un1820
Temporary Site No.: N/A
Land Status: BLM
NRHP Eligibility: Eligible
Description: The site is a rock shelter of unknown cultural affiliation located on aeolian dunes among a large sandstone outcrop. The site was originally documented by Metcalf Archaeological Consultants in 1990. Artifacts include lithic debitage (n=15), a biface fragment, two manos, a metate, and a sandstone slab with grinding striations. Features include two hearths and a possible rock alignment. The rock alignment consists of piled stones in a roughly semi-circular arrangement along the south side of the rock shelter, beneath an overhang. Oxidization is present underneath the overhang, along the sides of the shelter, which measures 4 meters across, 3 meters deep, and between 80 and 120 cm high. The hearth features consist of concentrations of oxidized and firecracked rock scattered both within and in front of the rock shelter.

Smithsonian Site No.: 42Un1953
Temporary Site No.: N/A
Land Status: BLM
NRHP Eligibility: Not Eligible
Description: The site is a large open lithic scatter of unknown cultural affiliation, located in aeolian dunes. The site was originally recorded in 1991 by Grand River Institute. It consists of a dispersed scatter of lithic debitage (n=14) and tools, within a 160 meter by 50 meter area. Tools include a biface, two scrapers, a utilized flake, and a core. No cultural features are visible.

Smithsonian Site No.: 42Un3017
Temporary Site No.: 02-46-1
Land Status: BLM
NRHP Eligibility: Eligible
Description: The site is a temporary camp of unknown cultural affiliation located among aeolian dunes at the base of a ridge. The site includes two concentrations of firecracked rocks (Features 1 and 2). No artifacts are visible. Feature 1 is a cluster of fire-altered angular sandstone rocks located in a slight blow-out near the edge of an aeolian dune. The feature occurs on an approximately 3 degree slope, and includes about 25 fist-sized and smaller rocks, and two smaller slabs (18x8x4cm and 10x5x4cm). A few of the stones are partially buried, and no charcoal or ash is observed on the surface. Feature 2 is a cluster of six fist-sized sandstone rocks interspersed with roughly 12 smaller rocks. The stones appear to be oxidized, and are located in a deflated area of the dune. No deposits of ash or charcoal are visible on the surface.

## NATIONAL REGISTER OF HISTORIC PLACES EVALUATION

The National Register Criteria for Evaluation of Significance and procedures for nominating cultural resources to the National Register of Historic Places (NRHP) are outlined in 36 CFR 60.4 as follows:

> The quality of significance in American history, architecture, archaeology, and culture is present in districts, sites, buildings, structures, and objects of State and local importance that possess integrity of location, design, setting, material, workmanship, feeling, and association, and that they:
>
> a)...are associated with events that have made a significant contribution to the broad patterns of our history; or
>
> b)...are associated with the lives of persons significant to our past; or
>
> c)...embody the distinctive characteristics of a type, period, or method of construction; or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction; or
>
> d)...have yielded or may be likely to yield information important in prehistory or history.

The inventory of the seven proposed El Paso Oil & Gas well locations resulted in a finding of one new archaeological site (42Un3017), and two previously documented sites (42Un1819 and 42Un1820) evaluated as eligible to the NRHP. The sites include an open lithic scatter (42Un1819), a rock shelter (42Un1820), and a temporary camp (42Un3017); all of unknown cultural affiliation. The newly found site (42Un3017) consists of two deflated burned rock features located in an aeolian dune. This site appears to be prehistoric based on similar features in the area with associated artifacts. The site is recommended as eligible to the NRHP under criterion D because it is likely to yield information pertaining to site function, feature morphology, and temporal affiliation. Subsurface investigations could provide cultural material and additional features.

## MANAGEMENT RECOMMENDATIONS

The inventory of El Paso Oil & Gas Productions seven well locations in Natural Buttes resulted in the location of one new archaeological site (42Un3017), and relocation of three previously documented sites (42Un1819, 42Un1820, and 42Un1953). Sites 42Un1819 and 42Un1820 occur within the 10 acre parcel surveyed for proposed well location NBU #434, but will not be impacted by construction of the well location. Site 42Un1953 is situated within the 10 acre parcel for proposed well location NBU #447, and occurs on aeolian deposits. It is recommended that the site be monitored by an archaeologist during construction. Site 42Un3017 is an eligible site located on aeolian dunes within the 10 acre parcel surveyed for proposed well location CIGE #283. It is recommended that the well location CIGE #283 be moved to avoid the site.

Based on the findings and adherence to the recommendations, a determination of "no historic properties affected" is recommended for this undertaking pursuant to Section 106, CFR 800.

## REFERENCES CITED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APPENDIX A

SITES
INTERMOUNTAIN ANTIQUITIES COMPUTER SYSTEM (IMACS) SITE FORM

On File At:

Utah Division of State History
Salt Lake City, Utah

003

**WORKSHEET**

**APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 08/09/2002

API NO. ASSIGNED: 43-047-34700

WELL NAME: NBU 345-4E

OPERATOR: EL PASO PROD OIL & GAS ( N1845 )

CONTACT: CHERYL CAMERON

PHONE NUMBER: 435-781-7023

PROPOSED LOCATION:

SWSW 04 100S 210E

SURFACE: 0911 FSL 0662 FWL

BOTTOM: 0911 FSL 0662 FWL

UINTAH

NATURAL BUTTES ( 630 )

LEASE TYPE: 1 - Federal

LEASE NUMBER: U-01393-B

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: WSTC

INSPECT LOCATN BY: / /

| Tech Review | Initials | Date |
|---|---|---|
| Engineering | | |
| Geology | | |
| Surface | | |

LATITUDE: 39.97241

LONGITUDE: 109.56376

RECEIVED AND/OR REVIEWED:

✓ Plat

✓ Bond: Fed[1] Ind[] Sta[] Fee[]
(No. WY 3457 )

N Potash (Y/N)

Y Oil Shale 190-5 (B) or 190-3 or 190-13

✓ Water Permit
(No. 43-8496 )

N RDCC Review (Y/N)
(Date: )

NA Fee Surf Agreement (Y/N)

LOCATION AND SITING:

___ R649-2-3.

Unit NATURAL BUTTES ✓

___ R649-3-2. General

Siting: 460 From Qtr/Qtr & 920' Between Wells

___ R649-3-3. Exception

✓ Drilling Unit

Board Cause No: 173-14

Eff. Date: 12-9-99

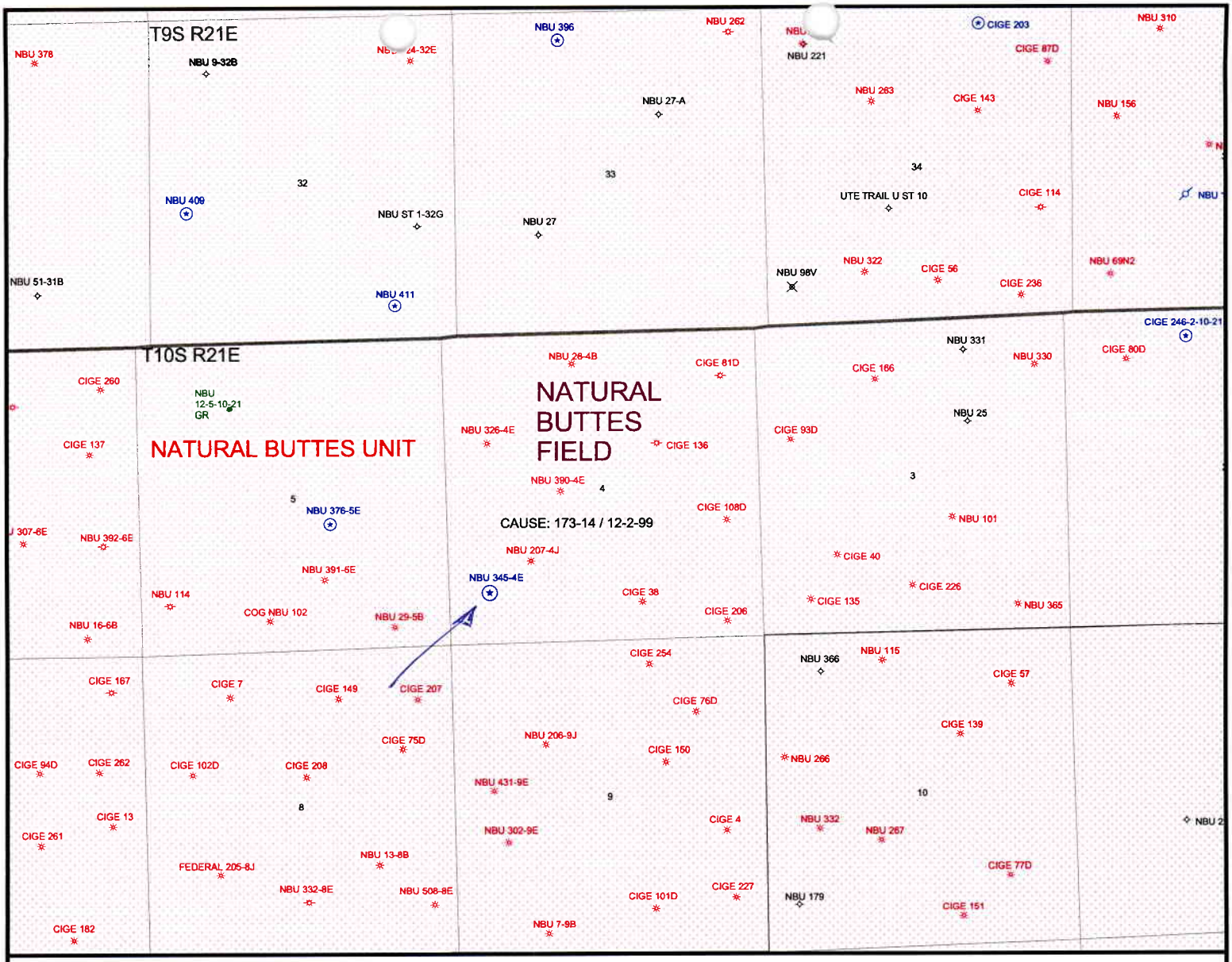
Siting: ~~460'~~ 460' fr Unit boundry & Uncomm Tract

___ R649-3-11. Directional Drill

COMMENTS: SOP, Separate file

STIPULATIONS: 1. Federal approval

2- Oil Shale




OPERATOR: EL PASO PROD (N1845)

SEC: 4 T10S R21E

FIELD: NATURAL BUTTES (630)

COUNTY:UINTAH/SPACING:173-14/12-2-99

Utah Oil Gas and Mining

**Well Status**
- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL

**Units Status**
- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

**Field Status**
- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED
- Sections.shp
- Township.shp
- Counties.shp

N
W E
S

Prepared By: D. Mason
Date:15 AUGUST-2002

004


# State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

1594 West North Temple, Suite 1210
PO Box 145801
Salt Lake City, Utah 84114-5801
(801) 538-5340 telephone
(801) 359-3940 fax
(801) 538-7223 TTY
www.nr.utah.gov

Michael O. Leavitt
Governor
Robert L. Morgan
Executive Director
Lowell P. Braxton
Division Director


August 15, 2002

El Paso Production Oil & Gas Company
P O Box 1148
Vernal, UT 84078

Re: Natural Buttes Unit 345-4E Well, 911' FSL, 662' FWL, SW SW, Sec. 4, T. 10 South, R. 21 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-34700.

Sincerely,

John R. Baza
Associate Director

pb
Enclosures
cc: Uintah County Assessor
Bureau of Land Management, Vernal District Office

Utah!
Where ideas connect

**Operator:** El Paso Production Oil & Gas Company

**Well Name & Number** Natural Buttes Unit 345-4E

**API Number:** 43-047-34700

**Lease:** U-01393-B

**Location:** SW SW **Sec.** 4 **T.** 10 South **R.** 21 East

## Conditions of Approval

1. General

   Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

   Notify the Division within 24 hours of spudding the well.

   - Contact Carol Daniels at (801) 538-5284.

   Notify the Division prior to commencing operations to plug and abandon the well.

   - Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

   All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.

5. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

Form 3160-5
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

005

**SUNDRY NOTICES AND REPORTS ON WELLS**

***Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.***

***SUBMIT IN TRIPLICATE – Other instructions on reverse side***

CONFIDENTIAL

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
EL PASO PRODUCTION OIL & GAS COMPANY

3a. Address
P.O. BOX 1148 VERNAL, UT 84078

3b. Phone No. *(include area code)*
(435) 781-7023

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
SWSW 911' FSL & 662' FWL
Sec. 4, T10S, R21E

5. Lease Serial No.
U-01393-B

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.
NBU 345-4E

9. API Well No.
~~Not Assigned~~ 43-047-34700

10. Field and Pool, or Exploratory Area
Natural Buttes

11. County or Parish, State
Uintah, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | | |
|---|---|---|---|---|
| ☒ Notice of Intent | ☐ Acidize | ☐ Deepen | ☐ Production (Start/Resume) | ☐ Water Shut-Off |
| ☐ Subsequent Report | ☐ Alter Casing | ☐ Fracture Treat | ☐ Reclamation | ☐ Well Integrity |
| ☐ Final Abandonment Notice | ☐ Casing Repair | ☐ New Construction | ☐ Recomplete | ☒ Other Change to APD |
| | ☐ Change Plans | ☐ Plug and Abandon | ☐ Temporarily Abandon | |
| | ☐ Convert to Injection | ☐ Plug Back | ☐ Water Disposal | |

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

Attached is the pipeline re-route as discussed during the on-site inspection. Refer to Topo D.

**Accepted by the Utah Division of Oil, Gas and Mining**
**Date:** 9/3/2002
**By:** D. R. Dunn

**Federal Approval Of This Action Is Necessary**

COPY SENT TO OPERATOR
Date: 9-3-02
Initials: CHD

RECEIVED
SEP 03 2002
DIVISION OF
OIL, GAS AND MINING

14. I hereby certify that the foregoing is true and correct
Name *(Printed/Typed)*
Cheryl Cameron

Title
Operations

Signature
Cheryl Cameron

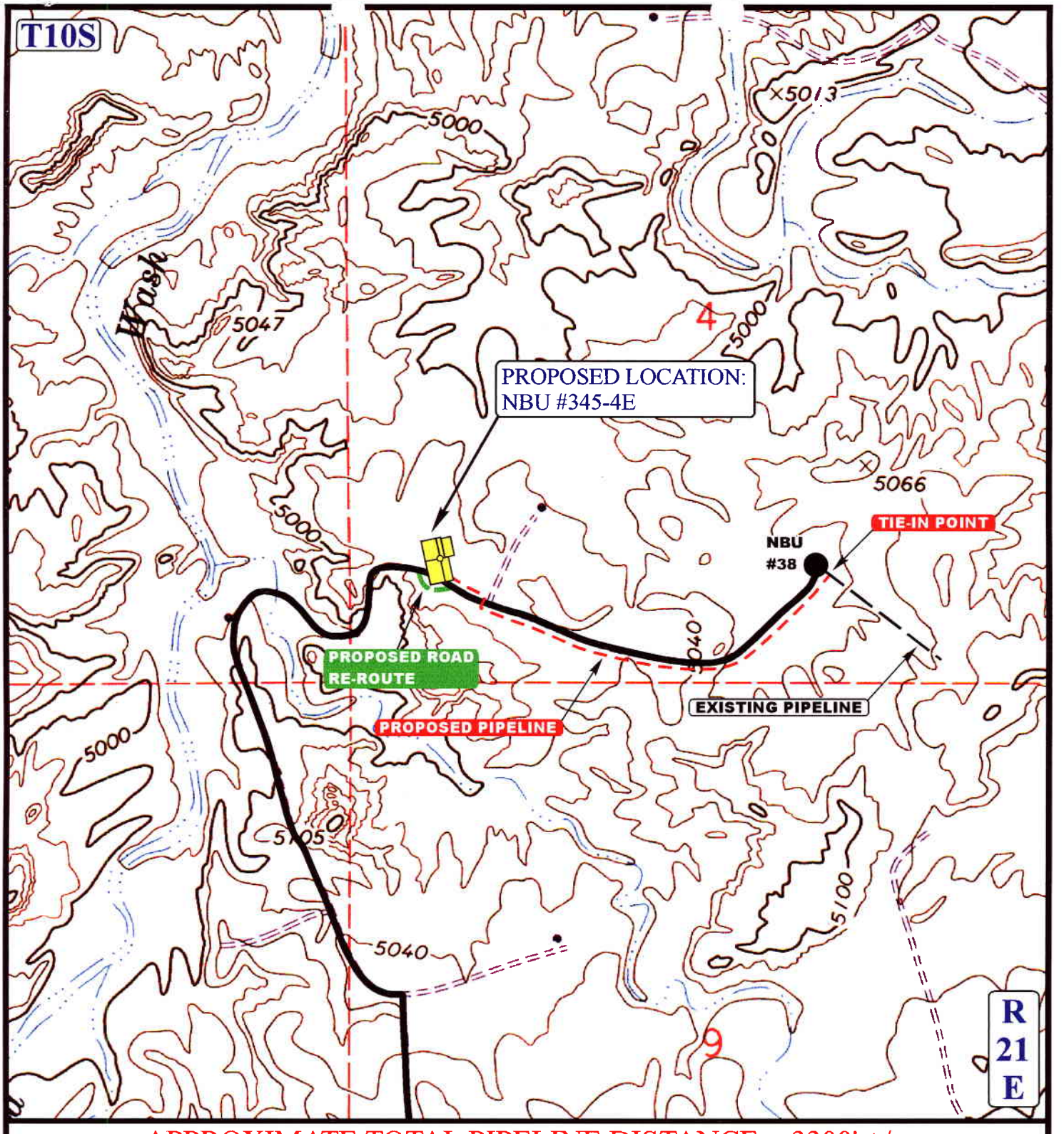
Date
August 23, 2002

**THIS SPACE FOR FEDERAL OR STATE USE**

| Approved by | Title | Date |
|---|---|---|
| Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. | Office | |

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on reverse)*




APPROXIMATE TOTAL PIPELINE DISTANCE = 3300' +/-

**LEGEND:**

EXISTING PIPELINE

PROPOSED PIPELINE

PROPOSED ACCESS

N

**EL PASO PRODUCTION OIL & GAS COMPANY**

**NBU #345-4E**

**SECTION 4, T10S, R21E, S.L.B.&M.**

**911' FSL 662' FWL**


Uintah Engineering & Land Surveying

85 South 200 East Vernal, Utah 84078

(435) 789-1017 * FAX (435) 789-1813


TOPOGRAPHIC MAP | 7 MONTH | 22 DAY | 02 YEAR

SCALE: 1" = 1000' | DRAWN BY: J.L.G. | REVISED: 8-6-02

D TOPO

Form 3160-3
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
AUG 0 8 2002

FORM APPROVED
OMB No. 1004-0136
Expires November 30, 2000

006

## APPLICATION FOR PERMIT TO DRILL OR REENTER

CONFIDENTIAL

| | |
|---|---|
| 1a. Type of Work: ☒ DRILL ☐ REENTER | 5. Lease Serial No. U-01393-B |
| | 6. If Indian, Allottee or Tribe Name |
| | 7. If Unit or CA Agreement, Name and No. Natural Buttes Unit |
| 1b. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone | 8. Lease Name and Well No. NBU 345-4E |
| 2. Name of Operator EL PASO PRODUCTION O&G COMPANY Contact: CHERYL CAMERON E-Mail: Cheryl.Cameron@CoastalCorp.com | 9. API Well No. |
| 3a. Address P.O. BOX 1148 VERNAL, UT 84078 / 3b. Phone No. (include area code) Ph: 435.781.7023 Fx: 435.781.7094 | 10. Field and Pool, or Exploratory NATURAL BUTTES |
| 4. Location of Well *(Report location clearly and in accordance with any State requirements.*)* At surface SWSW 911FSL 662FWL At proposed prod. zone | 11. Sec., T., R., M., or Blk. and Survey or Area Sec 4 T10S R21E Mer SLB |
| 14. Distance in miles and direction from nearest town or post office* 16.9 MILES NORTHWEST OF OURAY, UT | 12. County or Parish UINTAH / 13. State UT |
| 15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 662 / 16. No. of Acres in Lease 649.36 | 17. Spacing Unit dedicated to this well 40.00 |
| 18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. REFER TO TOPO C / 19. Proposed Depth 7000 MD | 20. BLM/BIA Bond No. on file WY 3457 |
| 21. Elevations (Show whether DF, KB, RT, GL, etc. 5033 GL / 22. Approximate date work will start | 23. Estimated duration |

### 24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the authorized officer.

| | | |
|---|---|---|
| 25. Signature (Electronic Submission) | Name (Printed/Typed) CHERYL CAMERON | Date 08/06/2002 |
| Title OPERATIONS | | |
| Approved by (Signature) | Name (Printed/Typed) | Date 10/12/2002 |
| Title Assistant Field Manager Mineral Resources | Office | |

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**Additional Operator Remarks (see next page)**

NOTICE OF APPROVAL

**Electronic Submission #13396 verified by the BLM Well Information System**
**For EL PASO PRODUCTION O&G COMPANY, sent to the Vernal**

RECEIVED
OCT 23 2002
DIVISION OF
OIL, GAS AND MINING

CONDITIONS OF APPROVAL ATTACHED

**ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

CONDITIONS OF APPROVAL
APPLICATION FOR PERMIT TO DRILL

Company/Operator: El Paso Production Oil & Gas Company

Well Name & Number: NBU 345-4E

API Number: 43-047-34700

Lease Number: UTU – 01393-B

Location: SWSW Sec. 04 TWN: 10S RNG: 21E

Agreement: NATURAL BUTTES UNIT

**NOTIFICATION REQUIREMENTS**

| | | |
|---|---|---|
| Location Construction | - | At least forty-eight hours prior to construction of the location or access roads. |
| Location Completion | - | Prior to moving on the drilling rig. |
| Spud Notice | - | At least twenty-four (24) hours prior to spudding the well. |
| Casing String and Cementing | - | At least twenty-four (24) hours prior to running casing and cementing all casing strings. |
| BOP and Related Equipment Tests | - | At least twenty-four (24) hours prior to initiating pressure tests. |
| First Production Notice | - | Within five (5) business days after new well begins, or production resumes after well has been off production for more than ninety (90) days. |

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

## CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

**Submit an electronic copy of all logs run on this well in LAS format. This submission will replace the requirement for submittal of paper logs to the BLM.**

A. DRILLING PROGRAM

1. Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered

Report ALL water shows and water-bearing sands to this office prior to setting the next casing string or requesting plugging orders. Faxed copies of State of Utah form OGC-8-X are acceptable. If noticeable water flows are detected, submit samples to this office along with any water analyses conducted.

All usable water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

2. Pressure Control Equipment

The BOP and related equipment shall meet the minimum requirements ofOnshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc., for a 5M Triple Ram system and individual components shall be operable as designed. Chart recorders shall be used for all pressure tests.

Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to a BLM representative upon request.

If an air compressor is on location and is being utilized to provide air for the drilling medium while drilling, the special drilling requirements in Onshore Oil and Gas OrderNo. 2, regarding air or gas drilling shall be adhered to. Ifa mist system is being utilized then the requirement for a deduster shall be waived.

3. Casing Program and Auxiliary Equipment

Surface casing shall have centralizers on the bottom three joints, with a minimum of one centralizer per joint.

As a minimum, the usable water and oil shale resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the top of the Green River Formation, identified at 1,487 ft. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

4. Mud Program and Circulating Medium

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

5. Coring, Logging and Testing Program

Daily drilling and completion progress reports shall be submitted to this ofice on a weekly basis.

A cement bond log (CBL) will be run from the production casing shoe to the top ofthe cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

6. Notifications of Operations

Operator shall report production data to MMS pursuant to 30 CFR 216.5 using form MMS/3160.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and, for gas wells as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which gas is first measured through permanent metering facilities, whichever first occurs.

Should gas be vented or flared without approval beyond the authorized test period, the operator may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted and the operator shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.

A schematic facilities diagram as required by 43 CFR 3162.7-5(d) shall be submitted to the appropriate Field Office within 60 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-5 (1).

7. Other Information

All loading lines will be placed inside the berm surrounding the tank battery.

All off-lease storage, off-lease measurement, or commingling onlease or off-lease will have prior written approval from the AO.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted on initial meter installations and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office. All meter measurement facilities will conform with Onshore Oil & Gas Order No. 4 for liquid hydrocarbons and Onshore Oil & Gas Order No. 5 for natural gas measurement.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Section 102(b)(3) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than 90 days, the operator shall notify the authorized officer by letter or sundry notice, Form 3160-5, or orally to be followed by a letter or sundry notice, of the date on which such production has begun or resumed."

If you fail to comply with this requirement in the manner and time allowed, you shall be liable for a civil penalty of up to $10,000 per violation for each day such violation continues, not to exceed a maximum of 20 days. See Section 109(c)(3) of the Federal Oil and Gas Royalty Management Act of 1982 and the implementing regulations at Title 43 CFR 3162.4-1(b)(5)(ii).

APD approval is valid for a period of one (1) year from the signature date. An extension period may be granted, if requested, prior to the expiration of the original approval period.

In the event after-hours approvals are necessary, please contact one of the following individuals:

| | |
|---|---|
| Ed Forsman<br>Petroleum Engineer | (435) 828-7874 |
| Kirk Fleetwood<br>Petroleum Engineer | (435) 828-7875 |
| BLM FAX Machine | (435) 781-4410 |

EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

While the following wastes are nonexempt, they are not necessarily hazardous.

Unused fracturing fluids or acids
Gas plant cooling tower cleaning wastes
Painting wastes
Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spend solvents, spilled chemicals, and waste acids.
Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt waste
Refinery wastes
Liquid and solid wastes generated by crude oil and tank bottom reclaimers
Used equipment lubrication oils
Waste compressor oil, filters, and blowdown
Used hydraulic fluids
Waste solvents
Waste in transportation pipeline-related pits
Caustic or acid cleaners
Boiler cleaning wastes
Boiler refractory bricks
Incinerator ash
Laboratory wastes
Sanitary wastes
Pesticide wastes
Radioactive tracer wastes
Drums, insulation and miscellaneous solids.

## CONDITIONS OF APPROVAL FOR THE SURFACE USE PROGRAM OF THE APPLICATION FOR PERMIT TO DRILL

-The reserve pit topsoil should be piled separate from the location topsoil.

-The location topsoil pile will be seeded immediately after the soil is piled by boadcasting the seed, then walking the topsoil pile with the dozer to plant the seed. The seed mix outlined in the APD for final reclamation shall be used.

All poundages are in Pure Live Seed.

**-Topsoil will not be used for the construction of tank dikes or any other location needs. It shall be left in place for use in the final reclamation process.**

-Once the reserve pit is dry, it should be filled, recontoured, topsoil spread, and seeded in the same manner discussed above.

UNITED STATES GOVERNMENT

# memorandum

**Branch of Real Estate Services**
**Uintah & Ouray Agency**

Date: 5 December, 2002

Reply to Attn of: Supervisory Petroleum Engineer

Subject: Modification of Utah Division of Oil, Gas and Mining Regulations

To: Director, Utah Division of Oil, Gas and Mining Division: John Baza

We have been advised of changes occurring with the operation of your database for Change of Operator. You will be modifying your records to reflect Change of Operator once you have received all necessary documentation from the companies involved, and perhaps in advance of our Notice of Concurrence/Approval of Change of Operator where Indian leases are involved.

We have no objection.

With further comment to Rulemaking, I wish to comment concerning the provision of Exhibits for upcoming Hearings. I would like to see the Uintah & Ouray Agency, BIA, and the Ute Indian Tribe, Energy & Mineral Resources Department added to the list of those parties that receive advance Exhibits so as to allow us to have research time prior to Hearing dates. We will be able to provide a more informed recommendation to the Oil, Gas and Mining Board. It would be best if we would receive only those Exhibits that concern Indian lands, specifically on or adjacent to Indian lands. This may be a difficult situation to attain, as it is not always clear where 'on or adjacent' occurs.

I am aware that you have gone to extra effort to correct this matter already, and I fully appreciate it. My request is intended only to allow the addition of Uintah & Ouray Agency and Ute Indian Tribe to the official listing.

We appreciate you concern, and hope that these comments are timely enough for consideration in the revision process.

Charles H Cameron

CC: Minerals & Mining Section of RES
Ute Energy & Mineral Resources Department: Executive Director
chrono

WESTPORT OIL AND GAS COMPANY, L.P.

410 Seventeenth Street #2300 Denver Colorado 80202-4436
Telephone: 303 573 5404 Fax: 303 573 5609

February 1, 2002

Department of the Interior
Bureau of Land Management
2850 Youngfield Street
Lakewood, CO 80215-7093
Attention: Ms. Martha Maxwell

RE: BLM Bond CO-1203
BLM Nationwide Bond 158626364
Surety – Continental Casualty Company
Belco Energy Corporation merger into Westport Oil and Gas Company, Inc.
Conversion of Westport Oil and Gas Company, Inc., into Westport Oil and Gas Company, L.P.
Assumption Rider – Westport Oil and Gas Company, L.P.

Dear Ms. Maxwell:

Pursuant to our recent conversations, please find the following list of enclosures for the BLM's consideration and approval:

Two (2) Assumption Riders, fully executed originals.
Copies of Belco Energy Corporation merger into Westport Oil and Gas Company, Inc.
Copies of Westport Oil and Gas Company, Inc., conversion into Westport Oil and Gas Company, L.P.
List of all Federal/BIA/State Leases - Belco/Westport's leases – in all states.

Please inform us of any additional information needed to complete the change to Westport Oil and Gas Company, L.P., as operator of record.

I thank you for your assistance and cooperation in this matter. Please do not hesitate contacting the undersigned, should a question arise.

Sincerely,
Westport Oil and Gas Company, L.P.

Debby J. Black

Debby J. Black
Engineer Technician

Encl:

# United States Department of the Interior

BUREAU OF INDIAN AFFAIRS
Washington, D.C. 20240

FEB 1 0 2003

IN REPLY REFER TO:
Real Estate Services

Carroll A. Wilson
Principal Landman
Westport Oil and Gas Company, L.P.
1368 South 1200 East
Vernal, Utah 84078

Dear Mr. Wilson:

This is in response to your request for approval of RLI Insurance Company's Nationwide Oil and Gas Lease Bond No. RLB0005239 executed effective December 17, 2002, ($150,000 coverage) with Westport Oil and Gas Company, L. P., as principal.

This bond is hereby approved as of the date of this correspondence and will be retained in the Bureau of Indian Affairs' Division of Real Estate Services, 1849 C Street, NW, MS-4512-MIB, Washington, D.C. 20240. All Bureau oil and gas regional offices and the surety are being informed of this action.

In cases where you have existing individual and/or collective bonds on file with one or more of our regional offices, you may now request those offices, directly, to terminate in lieu of coverage under this Nationwide Bond.

Enclosed is a copy of the approved bond for your files. If we may be of further assistance in this matter, please advise.

Sincerely,

Director, Office of Trust Responsibilities

ACTING

Enclosure

# United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

IN REPLY REFER TO
UT-922

February 27, 2003

Westport Oil and Gas Company, L.P.
Attn: Gary D. Williamson
1670 Broadway, Suite 2800
Denver, Colorado 80202

Re: Natural Buttes Unit
Uintah County, Utah

Gentlemen:

On February 27, 2003, we received an indenture dated December 17, 2002, whereby El Paso Production Oil & Gas Company resigned as Unit Operator and Westport Oil and Gas Company, L.P., was designated as Successor Unit Operator for the Natural Buttes Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective February 27, 2003. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Natural Buttes Unit Agreement.

Your nationwide (Colorado) oil and gas bond No. 1203 will be used to cover all operations within the Natural Buttes Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks
Chief, Branch of Fluid Minerals

Enclosure

bcc: Field Manager - Vernal (w/enclosure)
SITLA
Division of Oil, Gas & Mining
Minerals Adjudication Group
File - Natural Buttes Unit (w/enclosure)
Agr. Sec. Chron
Fluid Chron

UT922:TAThompson:tt:02/27/2003

**STATE OF UTAH**
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

# SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ OTHER

8. WELL NAME and NUMBER: Exhibit "A"

2. NAME OF OPERATOR: El Paso Production Oil & Gas Company

9. API NUMBER:

3. ADDRESS OF OPERATOR: 9 Greenway Plaza CITY Houston STATE TX ZIP 77064-0995 PHONE NUMBER: (832) 676-5933

10. FIELD AND POOL, OR WILDCAT:

4. LOCATION OF WELL

FOOTAGES AT SURFACE:

COUNTY:

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ☐ NOTICE OF INTENT (Submit in Duplicate) | ☐ ACIDIZE | ☐ DEEPEN | ☐ REPERFORATE CURRENT FORMATION |
| Approximate date work will start: _____ | ☐ ALTER CASING | ☐ FRACTURE TREAT | ☐ SIDETRACK TO REPAIR WELL |
| | ☐ CASING REPAIR | ☐ NEW CONSTRUCTION | ☐ TEMPORARILY ABANDON |
| | ☐ CHANGE TO PREVIOUS PLANS | ☑ OPERATOR CHANGE | ☐ TUBING REPAIR |
| | ☐ CHANGE TUBING | ☐ PLUG AND ABANDON | ☐ VENT OR FLARE |
| ☐ SUBSEQUENT REPORT (Submit Original Form Only) | ☐ CHANGE WELL NAME | ☐ PLUG BACK | ☐ WATER DISPOSAL |
| Date of work completion: | ☐ CHANGE WELL STATUS | ☐ PRODUCTION (START/RESUME) | ☐ WATER SHUT-OFF |
| _____ | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ RECLAMATION OF WELL SITE | ☐ OTHER: _____ |
| | ☐ CONVERT WELL TYPE | ☐ RECOMPLETE - DIFFERENT FORMATION | |

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Operator change to Westport Oil and Gas Company, L.P., 1670 Broadway, Suite 2800, Denver, CO. 80202-4800, effective December 17, 2002.

BOND # _____

State Surety Bond No. RLB0005236
Fee Bond No. RLB0005238

RECEIVED
FEB 2 8 2003
DIV. OF OIL, GAS & MINING

EL PASO PRODUCTION OIL & GAS COMPANY

By: _____
Jon R. Nelsen, Attorney-in-Fact

WESTPORT OIL AND GAS COMPANY, L.P.

NAME (PLEASE PRINT) David R. Dix TITLE Agent and Attorney-in-Fact

SIGNATURE _____ DATE 12/17/02

(This space for State use only)

(5/2000) (See Instructions on Reverse Side)

Form 3160-5
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**

***Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.***

***SUBMIT IN TRIPLICATE – Other instructions on reverse side***

5. Lease Serial No.
SEE ATTACHED EXHIBIT "A"

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.
SEE ATTACHED EXHIBIT "A"

2. Name of Operator
WESTPORT OIL & GAS COMPANY, L.P.

9. API Well No.
SEE ATTACHED EXHIBIT "A"

3a. Address
P.O. BOX 1148 VERNAL, UT 84078

3b. Phone No. *(include area code)*
(435) 781-7023

10. Field and Pool, or Exploratory Area

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
SEE ATTACHED EXHIBIT "A"

11. County or Parish, State
UINTAH COUNTY, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | | |
|---|---|---|---|---|
| ☐ Notice of Intent | ☐ Acidize | ☐ Deepen | ☐ Production (Start/Resume) | ☐ Water Shut-Off |
| ☐ Subsequent Report | ☐ Alter Casing | ☐ Fracture Treat | ☐ Reclamation | ☐ Well Integrity |
| ☐ Final Abandonment Notice | ☐ Casing Repair | ☐ New Construction | ☐ Recomplete | ☒ Other SUCCESSOR OF OPERATOR |
| | ☐ Change Plans | ☐ Plug and Abandon | ☐ Temporarily Abandon | |
| | ☐ Convert to Injection | ☐ Plug Back | ☐ Water Disposal | |

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration the
If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zo
Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30
following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed
testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator
determined that the site is ready for final inspection.

WESTPORT OIL & GAS COMPANY, L.P., IS CONSIDERED TO BE THE OPERATOR ON THE ATTACHED DESCRIBED LANDS AND IS RESPONSIBLE UNDER THE TERMS AND CONDITIONS OF THE LEASE FOR THE OPERATIONS CONDUCTED ON THE LEASED LANDS OR PORTIONS THEREOF. BOND COVERAGE FOR THIS WELL IS PROVIDED BY FEDERAL NATIONWIDE BOND NO. 158626364, EFFECTIVE FEBRUARY 1, 2002, AND BIA NATIONWIDE BOND NO. RLB0005239, EFFECTIVE FEBRUARY 10, 2003.

RECEIVED
MAR 0 4 2003
DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct
Name *(Printed/Typed)*
CHERYL CAMERON

Title
OPERATIONS

Signature

Date
March 4, 2003

**THIS SPACE FOR FEDERAL OR STATE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on reverse)*

Division of Oil, Gas and Mining

ROUTING

| |
|---|
| 1. GLH |
| 2. CDW |
| 3. FILE |

# OPERATOR CHANGE WORKSHEET

0 0 7

**X Change of Operator (Well Sold)** Designation of Agent/Operator

Operator Name Change Merger

The operator of the well(s) listed below has changed, effective: **12-17-02**

| **FROM:** (Old Operator): | | **TO:** ( New Operator): |
|---|---|---|
| EL PASO PRODUCTION OIL & GAS COMPANY | | WESTPORT OIL & GAS COMPANY LP |
| Address: 9 GREENWAY PLAZA | | Address: P O BOX 1148 |
| | | |
| HOUSTON, TX 77064-0995 | | VERNAL, UT 84078 |
| Phone: 1-(832)-676-5933 | | Phone: 1-(435)-781-7023 |
| Account No. N1845 | | Account No. N2115 |

**CA No.** **Unit:** **NATURAL BUTTES**

**WELL(S)**

| NAME | SEC TWN RNG | API NO | ENTITY NO | LEASE TYPE | WELL TYPE | WELL STATUS |
|---|---|---|---|---|---|---|
| NBU CIGE 38-4-10-21 | 04-10S-21E | 43-047-30495 | 2900 | FEDERAL | GW | P |
| NBU CIGE 81D-4-10-21 | 04-10S-21E | 43-047-30854 | 2900 | STATE | GW | S |
| NBU 390-4E | 04-10S-21E | 43-047-32835 | 2900 | FEDERAL | GW | P |
| NBU 345-4E | 04-10S-21E | 43-047-34700 | 99999 | FEDERAL | GW | APD |
| NBU 29-5B | 05-10S-21E | 43-047-30368 | 2900 | FEDERAL | GW | P |
| COG NBU 102 | 05-10S-21E | 43-047-31757 | 2900 | FEDERAL | GW | P |
| NBU 114 | 05-10S-21E | 43-047-31923 | 2900 | FEDERAL | GW | S |
| NBU 391-5E | 05-10S-21E | 43-047-32988 | 2900 | FEDERAL | GW | P |
| NBU 16-6B | 06-10S-21E | 43-047-30316 | 2900 | FEDERAL | GW | P |
| NBU CIGE 30-6-10-21 | 06-10S-21E | 43-047-30498 | 2900 | FEDERAL | GW | P |
| CIGE 137-6-10-21 | 06-10S-21E | 43-047-31988 | 2900 | FEDERAL | GW | P |
| NBU 307-6E | 06-10S-21E | 43-047-32014 | 2900 | FEDERAL | GW | P |
| CIGE 138-6-10-21 | 06-10S-21E | 43-047-31987 | 2900 | FEDERAL | GW | PA |
| CIGE 138A-6-10-21 | 06-10S-21E | 43-047-32049 | 2900 | FEDERAL | GW | P |
| CIGE 159-6-10-21 | 06-10S-21E | 43-047-32120 | 2900 | FEDERAL | GW | S |
| CIGE 259 | 06-10S-21E | 43-047-34367 | 2900 | FEDERAL | GW | S |
| CIGE 260 | 06-10S-21E | 43-047-34368 | 2900 | FEDERAL | GW | P |
| CIGE 392-6E | 06-10S-21E | 43-047-33783 | 2900 | FEDERAL | GW | S |
| CIGE 261 | 07-10S-21E | 43-047-34369 | 2900 | FEDERAL | GW | P |
| CIGE 262 | 07-10S-21E | 43-047-34370 | 2900 | FEDERAL | GW | P |

## OPERATOR CHANGES DOCUMENTATION

**Enter date after each listed item is completed**

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 02/28/2003

2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 03/04/2003

3. The new company has been checked through the **Department of Commerce, Division of Corporations Database on:** 03/06/2003

4. Is the new operator registered in the State of Utah: YES Business Number: 1355743-0181

5. If **NO**, the operator was contacted contacted on: _____

6. (R649-9-2)Waste Management Plan has been received on: IN PLACE

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM-12/31/2003 BIA-12/5/02

8. **Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: 02/27/2003

9. **Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: N/A

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject,** for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database on:** 03/19/2003
2. Changes have been entered on the **Monthly Operator Change Spread Sheet on:** 03/19/2003
3. Bond information entered in RBDMS on: N/A
4. Fee wells attached to bond in RBDMS on: N/A

**STATE WELL(S) BOND VERIFICATION:**

1. State well(s) covered by Bond Number: RLB 0005236

**FEDERAL WELL(S) BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: 158626364

**INDIAN WELL(S) BOND VERIFICATION:**

1. Indian well(s) covered by Bond Number: RLB 0005239

**FEE WELL(S) BOND VERIFICATION:**

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number RLB 0005238

2. The **FORMER** operator has requested a release of liability from their bond on: N/A
The Division sent response by letter on: N/A

**LEASE INTEREST OWNER NOTIFICATION:**

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

**COMMENTS:**

Form 3160-5
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**

008

***Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.***

***SUBMIT IN TRIPLICATE – Other instructions on reverse side***

5. Lease Serial No.
U-01393-B

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.
Natural Buttes Unit

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

CONFIDENTIAL

8. Well Name and No.
**NBU #345-4E**

2. Name of Operator
WESTPORT OIL & GAS CO,. L.P.

9. API Well No.
43-047-34700

3a. Address
P.O. Box 1148 Vernal, UT 84078

3b. Phone No. *(include area code)*
(435) 781-7024

10. Field and Pool, or Exploratory Area
Natural Buttes

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
SWSW SECTION 4-10S-21E 911'FSL & 662'FWL

11. County or Parish, State
Uintah County, Utah

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | | |
|---|---|---|---|---|
| ☒ Notice of Intent | ☐ Acidize | ☐ Deepen | ☐ Production (Start/Resume) | ☐ Water Shut-Off |
| ☐ Subsequent Report | ☐ Alter Casing | ☐ Fracture Treat | ☐ Reclamation | ☐ Well Integrity |
| ☐ Final Abandonment Notice | ☐ Casing Repair | ☐ New Construction | ☐ Recomplete | ☒ Other DOGM APD Extension |
| | ☐ Change Plans | ☐ Plug and Abandon | ☐ Temporarily Abandon | |
| | ☐ Convert to Injection | ☐ Plug Back | ☐ Water Disposal | |

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

The operator requests that the APD for the subject well be extended for an additional year so that drilling operations may be completed.

RECEIVED
JUL 25 2003
DIV. OF OIL, GAS & MINING

Approved by the
Utah Division of
Oil, Gas and Mining
Date: 07-30-03
By:

COPY SENT TO OPERATOR
Date: 8-4-03
Initials: CHD

14. I hereby certify that the foregoing is true and correct

| Name *(Printed/Typed)* | Title |
|---|---|
| Sheila Upchego | Regulatory Analyst |
| Signature | Date |
| | July 21, 2003 |

**THIS SPACE FOR FEDERAL OR STATE USE**

| Approved by | Title | Date |
|---|---|---|
| Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. | Office | |

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on reverse)*

RESET

**Application for Permit to Drill**
**Request for Permit Extension**
**Validation**
(this form should accompany the Sundry Notice requesting permit extension)

**API:** 43-047-34700
**Well Name:** NBU #345-4E
**Location:** SWSW 4-10S-21E
**Company Permit Issued to:** WESTPORT OIL & GAS CO,. L.P.
**Date Original Permit Issued:** 8/15/2001

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes☐No☑

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes☐No☑

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes☐No☑

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes☐No☑

Has the approved source of water for drilling changed? Yes☐No☑

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes☐No☑

Is bonding still in place, which covers this proposed well? Yes☑No☐

Signature

7/21/2003
Date

Title: REGULATORY ANALYST

Representing: WESTPORT OIL & GAS CO,. L.P.

Form 3160-5
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**

009

***Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.***

***SUBMIT IN TRIPLICATE – Other instructions on reverse side***

5. Lease Serial No.
Multiple Wells - see attached

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.
891008900A

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.
Multiple Wells - see attached

2. Name of Operator
WESTPORT OIL & GAS COMPANY, L.P.

9. API Well No.
Multiple Wells - see attached

3a. Address
P.O. BOX 1148 VERNAL, UT 84078

3b. Phone No. *(include area code)*
(435) 781-

10. Field and Pool, or Exploratory Area
Natural Buttes Unit

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
Multiple Wells - see attached

11. County or Parish, State
Uintah County, UT

10S 21E 4 43047347 00

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | | |
|---|---|---|---|---|
| ☒ Notice of Intent | ☐ Acidize | ☐ Deepen | ☐ Production (Start/Resume) | ☐ Water Shut-Off |
| ☐ Subsequent Report | ☐ Alter Casing | ☐ Fracture Treat | ☐ Reclamation | ☐ Well Integrity |
| ☐ Final Abandonment Notice | ☐ Casing Repair | ☐ New Construction | ☐ Recomplete | ☐ Other |
| | ☐ Change Plans | ☐ Plug and Abandon | ☐ Temporarily Abandon | |
| | ☐ Convert to Injection | ☐ Plug Back | ☐ Water Disposal | |

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

Westport Oil & Gas requests a variance to Onshore Order No. 4, Part IIIC.a. requiring each sales tank be equipped with a pressure-vacuum thief hatch and/or vent line valve. The variance is requested as an economic analysis shows the value of the shrunk condensate will not payout the incremental cost of purchasing and maintaining the valve resulting in a loss of value over the producing life of the well.

The volume lost to shrinkage by dropping the tank pressure from 6 ozs. to 0 psig is shown to be 0.3% of the tank volume. This was determined by lab analysis of a representative sample from the field. The sample shrunk from 98.82% of oringinal volume to 98.52% when the pressure was dropped. The average NBU well produces approximately 6 bbls condensate per month. The resulting shrinkage would amount to 0.56 bbls per month lost volume due to shrinkage. The value of the shrunk and lost condensate does not recoup or payout the cost of installing and maintaining the valves and other devices that hold the positive tank pressure. An economic run based on the loss and costs is attached. Westport Oil & gas requests approval of this variance in order to increase the value of the well to the operator and the mineral royalty owners.

14. I hereby certify that the foregoing is true and correct

Name *(Printed/Typed)*
J.T. Conley

Title
Operations Manager

Signature
J.T. Conley

Date
9-2-2003

COPY SENT TO OPERATOR
Date: 9-16-03
Initials: CHD

SEP 10 2003
DIV. OF OIL, GAS & MINING

**THIS SPACE FOR FEDERAL OR STATE USE**

Approved by

Title

Date

Federal Approval Of This Action Is Necessary

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Accepted by the Utah Division of Oil, Gas and Mining
Date: 9/16/03
By: [signature]

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on reverse)*

**Westport Oil & Gas, L.P.**

**Project Economics Workshe**

**Instructions:** Fill in blue b areas with before and after project data. The evaluation results are shown below and graphed automatically at the bottom of the page. This sheet is protected to prevent accidental alteration of the formulas. See JTC for changes. OPX entered as annual costs and/or as unit OPX costs for $/BF and $/MCF

Project Name: **Condensate Shrinkage Economics**

**Is this job a well pull or production rig job ???** N (Y or N)

| | BEFORE $/Year | AFTER $/Year | DIFFERENCE $/Year |
|---|---|---|---|
| Gross Oil Revenue | $1,088 | $1,099 | $11 |
| Gross Gas Revenue | $0 | $0 | $0 |
| NGL Revenue | $0 | $0 | $0 |
| PULIING UNIT SERVICE | | | $0 |
| WIRELINE SERVICE | | | $0 |
| SUBSURF EQUIP REPAIRS | | | $0 |
| COMPANY LABOR | | | $0 |
| CONTRACT LABOR | $0 | $200 | $200 |
| CONTR SERVICE | | | $0 |
| LEASE FUEL GAS | $0 | $0 | $0 |
| UTILITIES - ELECTRICITY | $0 | $0 | $0 |
| CHEMICAL TREATING | | | $0 |
| MATERIAL & SUPPLY | $0 | $150 | $150 |
| WATER & HAULING | | | $0 |
| ADMINISTRATIVE COSTS | | | $0 |
| GAS PLANT PROCESSING | | | $0 |
| **Totals** | $0 | $350 | **$350** |

**Increased OPX Per Year**

**Investment Breakdown:**

| | Cap/Exp Code | Cost, $ |
|---|---|---|
| Capital $ | 820/830/840 | $1,200 |
| Expense $ | 830/860 | $0 |
| Total $ | | $1,200 |

| | | |
|---|---|---|
| Oil Price | $ 23.00 | $/BO |
| Gas Price | $ 3.10 | $/MCF |
| Electric Cost | $ - | $ / HP / day |
| OPX/BF | $ 2.00 | $/BF |
| OPX/MCF | $ 0.62 | $/MCF |

**Production & OPX Detail:**

| | Before | | After | | Difference | |
|---|---|---|---|---|---|---|
| Oil Production | 0.192 | BOPD | 0.194 | BOPD | 0.002 | BOPD |
| Gas Production | 0 | MCFPD | 0 | MCFPD | 0 | MCFPD |
| Wtr Production | 0 | BWPD | 0 | BWPD | 0 | BWPD |
| Horse Power | | HP | | HP | 0 | HP |
| Fuel Gas Burned | | MCFPD | | MCFPD | 0 | MCFPD |

**Project Life:**

Life = 20.0 Years

(Life no longer than 20 years)

**Internal Rate of Return:**

**After Tax** IROR = #DIV/0!

**AT Cum Cashflow:**

Operating Cashflow = ($2,917) (Discounted @ 10%)

**Payout Calculation:**

$$\text{Payout} = \frac{\text{Total Investment}}{\text{Sum(OPX + Incremental Revenue)}} = 1$$

Payout occurs when total AT cashflow equals investment

See graph below, note years when cashflow reaches zero

Payout = NEVER Years or #VALUE! Days

**Gross Reserves:**

**Oil Reserves =** 6 BO

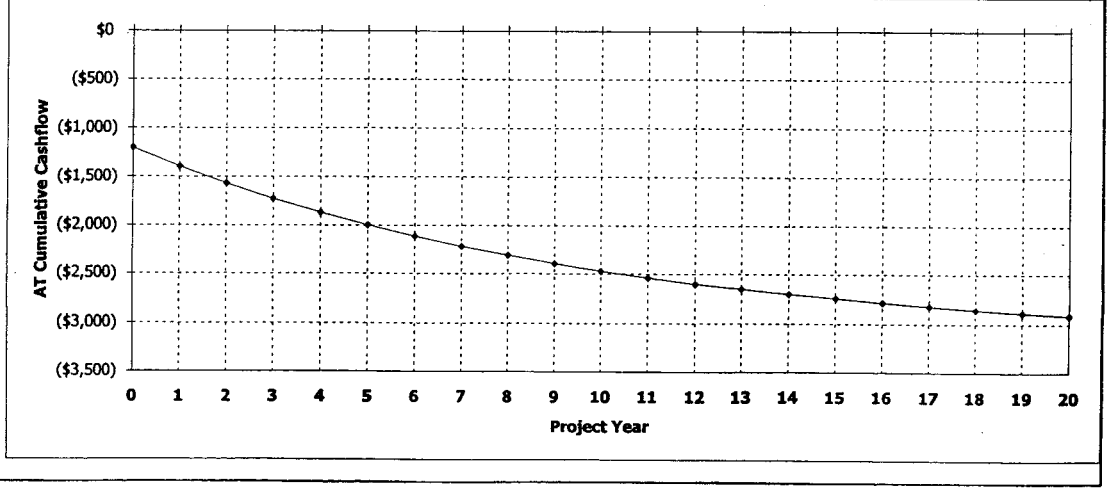
**Gas Reserves =** 0 MCF

**Gas Equiv Reserves =** 38 MCFE

**Notes/Assumptions:**

An average NBU well produces 0.192 Bcpd with no tank pressure. The production is increased to 0.196 Bcpd if 6 ozs of pressure are placed on the tank. The increased production does not payout the valve cost or the estimated annual maintenance costs.

**Project:** Condensate Shrinkage Economics



# Westport Oil and Gas, Inc.
## NBU/Ouray Field
RFL 2003-022

## COMPARISON OF FLASH BACK PRESSURES
Calculated by Characterized Equation-of-State

| Flash Conditions | | Gas/Oil Ratio ( scf/STbbl ) | Specific Gravity of Flashed Gas | Separator Volume Factor | Separator Volume Percent |
|---|---|---|---|---|---|
| psig | °F | (A) | ( Air=1.000 ) | (B) | (C) |
| ***Calculated at Laboratory Flash Conditions*** | | | | | |
| 80 | 70 | | | 1.019 | |
| 0 | 122 | 30.4 | 0.993 | 1.033 | 101.37% |
| 0 | 60 | 0.0 | — | 1.000 | 98.14% |
| ***Calculated Flash with Backpressure using Tuned EOS*** | | | | | |
| 80 | 70 | | | 1.015 | |
| 6.0 oz | 65 | 24.6 | 0.777 | 1.003 | 98.82% |
| 0 | 60 | 0.0 | — | 1.000 | 98.52% |
| 80 | 70 | | | 1.015 | |
| 4.0 oz | 65 | 24.7 | 0.778 | 1.003 | 98.82% |
| 0 | 60 | 0.0 | — | 1.000 | 98.52% |
| 80 | 70 | | | 1.015 | |
| 2.0 oz | 65 | 24.7 | 0.779 | 1.003 | 98.82% |
| 0 | 60 | 0.0 | — | 1.000 | 98.52% |
| 80 | 70 | | | 1.015 | |
| 0 | 65 | 24.8 | 0.780 | 1.003 | 98.82% |
| 0 | 60 | 0.0 | — | 1.000 | 98.52% |

(A) Cubic Feet of gas at 14.696 psia and 60 °F per Barrel of Stock Tank Oil at 60 °F.

(B) Barrels of oil at indicated pressure and temperature per Barrel of Stock Tank Oil at 60 °F.

(C) Oil volume at indicated pressure and temperature as a percentage of original saturated oil volume.

Note: Bubblepoint of sample in original sample container was 80 psig at 70° F with 1 cc water

| WELL | LEGALS | STFLEASENO | CANUMBER | APINO | |
|---|---|---|---|---|---|
| NBU 332 | 10-10-21 NWSW | UTU01416A | 891008900A | 43047336400OS1 | |
| NBU 333 | 13-10-21 SWSW | ML23608 | 891008900A | 43047336410OS1 | ✓ |
| NBU 335 | 4-10-22 SENE | UTU01191 | 891008900A | 43047337240OS1 | |
| NBU 336 | 4-10-22 NWNE | U-01191 | 891008900A | 43047340270OS1 | |
| NBU 337 | 4-10-22 SENW | U-01191-A | 891008900A | 43047340200OS1 | |
| NBU 338 | 5-10-22 NESE | UTU01191 | 891008900A | 43047340580OS1 | |
| NBU 339 | 5-10-22 NWSE | UTU01191 | 891008900A | 43047344060OS1 | |
| NBU 340 | 6-10-22 SWNE | UTU01195 | 891008900A | 43047337250OS1 | |
| NBU 340X | 6-10-22 SWNE | UTU01195 | 891008900A | 43047340150OS1 | |
| NBU 341 | 6-10-22 SWNW | UTU464 | 891008900A | 43047337260OS1 | |
| NBU 342 | 7-10-22 NWSE | UTU468 | 891008900A | 43047337270OS1 | |
| NBU 343 | 8-10-22 NWNE | UTU01196C | 891008900A | 43047337190OS1 | |
| NBU 344 | 8-10-22 SWNE | UTU01196C | 891008900A | 43047340210OS1 | |
| NBU 345 | 10-10-22 SWNE | UTU02587 | 891008900A | 43047337040OS1 | ✓ |
| NBU 345-4E | 4-10-21 SWSW | UTU01393B | 891008900A | 43047347000OS1 | ✓ |
| NBU 347 | 11-10-22 NWSW | UTU01197A | 891008900A | 43047337090OS1 | ✓ |
| NBU 348 | 11-10-22 SWSW | UTU01197A-ST | 891008900A | 43047340010OS1 | |
| NBU 349 | 11-10-22 SWSE | UTU01197A-ST | 891008900A | 43047340020OS1 | ✓ |
| NBU 350 | 14-10-22 NWNE | UTU01197A | 891008900A | 43047336420OS1 | ✓ |
| NBU 351 | 30-10-22 SESE | UTU0132568A | 891008900A | 43047336680OS1 | |
| NBU 352 | 9-9-21 SWNW | UTU0149767 | 891008900A | 43047339220OS1 | |
| NBU 353 | 27-9-21 SENW | U01194A | 891008900A | 43047332050OS1 | ✓ |
| NBU 354 | 31-9-22 NENW | UTU464 | 891008900A | 43047332310OS1 | |
| NBU 356 | 30-9-22 NENW | U463 | 891008900A | 43047332320OS1 | |
| NBU 357 | 15-10-21 SWSW | UTU01791A | 891008900A | 43047337280OS1 | |
| NBU 358 | 16-10-21 SESW | ML10755 | 891008900A | 43047337080OS1 | |
| NBU 359 | 29-10-21 NWNE | ML21330 | 891008900A | 43047337060OS1 | |
| NBU 360 | 29-10-22 SESW | UTU0145824 | 891008900A | 43047337730OS1 | |
| NBU 361 | 32-10-22 NWNW | ML22798 | 891008900A | 43047337050OS1 | ✓ |
| NBU 362 | 28-9-21 SESW | UTU0576 | 891008900A | 43047337740OS1 | |
| NBU 363 | 28-9-21 SESE | UTU0576 | 891008900A | 43047337750OS1 | |
| NBU 364 | 29-9-21 SESE | UTU0581 | 891008900A | 43047337760OS1 | |
| NBU 365 | 3-10-21 SESE | UTU0149078 | 891008900A | 43047337770OS1 | |
| NBU 366 | 10-10-21 NWNW | UTU0149079 | 891008900A | 43047337290OS1 | |
| NBU 367 | 11-10-22 NESW | UTU01197A-ST | 891008900A | 43047337070OS1 | ✓ |
| NBU 370 | 17-9-21 NWSW | UTU0575 | 891008900A | 43047346720OS1 | ✓ |
| NBU 371 | 8-9-21 SWSE | UTU0575B | 891008900A | 43047346730OS1 | ✓ |
| NBU 375 | 12-9-21 SWNE | UTU0141317 | 891008900A | 43047344400OS1 | ✓ |
| NBU 376 | 12-9-21 NENE | UTU0141317 | 891008900A | 43047344410OS1 | ✓ |
| NBU 377 | 31-9-21 NENW | UTU0582 | 891008900A | 43047343630OS1 | |
| NBU 378 | 31-9-21 NWNE | UTU0582 | 891008900A | 43047343640OS1 | |
| NBU 381 | 23-10-22 SESW | UTU01198B | 891008900A | 43047342340OS1 | |
| NBU 382 | 22-10-22 SENW | U-01198-B | 891008900A | 43047342350OS1 | |
| NBU 383 | 21-10-22 SESW | U-489 | 891008900A | 43047342360OS1 | |
| NBU 384 | 30-10-22 SENW | UTU0132568A | 891008900A | 43047342370OS1 | ✓ |
| NBU 385 | 18-10-22 SENW | ML22973 | 891008900A | 43047342280OS1 | |
| NBU 386 | 17-10-22 NESE | UTU470 | 891008900A | 43047342380OS1 | |
| NBU 387 | 23-10-21 SWSE | U-02277-A | 891008900A | 43047342390OS1 | |
| NBU 388 | 22-10-21 SENW | U-02278-A | 891008900A | 43047342400OS1 | |
| NBU 389 | 28-10-21 NENE | ML21329 | 891008900A | 43047342290OS1 | |
| NBU 390 | 30-10-21 SESE | ML22793 | 891008900A | 43047342300OS1 | |
| NBU 391 | 17-9-21 NWNW | UTU0575 | 891008900A | 43047348740OS1 | |
| NBU 393 | 22-9-20 SWNW | U0577B | 891008900A | 43047348640S1 | |
| NBU 394 | 11-10-22 SWSE | UTU01197A-ST | 891008900A | 43047348040OS1 | ✓ |
| NBU 395 | 27-9-21 SWSW | UTU01194A-ST | 891008900A | 43047343740OS1 | ✓ |
| NBU 396 | 33-9-21 NENW | UTU0576 | 891008900A | 43047344800OS1 | ✓ |
| NBU 397 | 26-10-20 NESW | UTU4476 | 891008900A | 43047343650OS1 | |
| NBU 398 | 18-10-21 NENW | UTU02270A | 891008900A | 43047343660OS1 | |
| NBU 399 | 14-10-21 NWNW | UTU465 | 891008900A | 43047344090OS1 | |
| NBU 400 | 16-10-21 NENW | ML10755 | 891008900A | 43047347940OS1 | |
| NBU 401 | 23-10-21 NENE | UTU02278A | 891008900A | 43047348010OS1 | |
| NBU 404 | 32-9-22 SWSE | ML22649 | 891008900A | 43047343750OS1 | ✓ |
| NBU 405 | 27-9-21 NENE | UTU01194A-ST | 891008900A | 43047344070OS1 | ✓ |
| NBU 407 | 32-10-22 NENW | ML22798 | 891008900A | 43047343180OS1 | ✓ |
| NBU 408 | 31-10-22 NENE | UTU0143551 | 891008900A | 43047345900OS1 | ✓ |
| NBU 409 | 32-9-21 NWSW | ML48758 | 891008900A | 43047344210OS1 | ✓ |
| NBU 410 | 32-9-21 SWSW | ML48758 | 891008900A | 43047348720OS1 | |
| NBU 411 | 32-9-21 SESE | ML48758 | 891008900A | 43047344220OS1 | ✓ |
| NBU 412 | 32-10-22 SENW | ML22798 | 891008900A | 43047343190OS1 | ✓ |
| NBU 413 | 32-10-22 SWNW | ML22798 | 891008900A | 43047343200OS1 | ✓ |
| NBU 414 | 31-10-22 SENE | UTU0143551 | 891008900A | 43047343870OS1 | |
| NBU 414-20E | 20-9-21 NWNE | U0143551/U0575 | 891008900A | 43047347790OS1 | |
| NBU 415-20E | 20-9-21 SWNE | UTU0575 | 891008900A | 43047344890OS1 | ✓ |
| NBU 416 | 36-9-20 SESE | ML48757 | 891008900A | 43047344230OS1 | ✓ |
| NBU 418 | 12-9-21 NWNW | UTU0141317 | 891008900A | 43047347770OS1 | |

Form 3160-5
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**

***Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.***

010

***SUBMIT IN TRIPLICATE – Other instructions on reverse side***

5. Lease Serial No.
U-01393-B

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.
NATURAL BUTTES UNIT

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.
NBU 345-4E

2. Name of Operator
*WESTPORT OIL & GAS COMPANY, L.P.*

9. API Well No.
43-047-34700

3a. Address
*P.O. BOX 1148, VERNAL, UTAH 84078*

3b. Phone No. *(include area code)*
*(435)781-7060*

10. Field and Pool, or Exploratory Area
NATURAL BUTTES

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
*SWSW SEC 4-T10S-R21E*
*911' FSL 662' FWL*

RECEIVED
OCT 17 2003
BY

11. County or Parish, State
UINTAH, UTAH

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | | |
|---|---|---|---|---|
| ☒ Notice of Intent | ☐ Acidize | ☐ Deepen | ☐ Production (Start/Resume) | ☐ Water Shut-Off |
| | ☐ Alter Casing | ☐ Fracture Treat | ☐ Reclamation | ☐ Well Integrity |
| ☐ Subsequent Report | ☐ Casing Repair | ☐ New Construction | ☐ Recomplete | ☒ Other BLM APD EXTENSION |
| | ☐ Change Plans | ☐ Plug and Abandon | ☐ Temporarily Abandon | |
| ☐ Final Abandonment Notice | ☐ Convert to Injection | ☐ Plug Back | ☐ Water Disposal | |

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

The operator requests that the APD be extended for an additional year so that drilling operations may be completed.

RECEIVED
DEC 31 2003
DIV. OF OIL, GAS & MINING

**CONDITIONS OF APPROVAL ATTACHED**

14. I hereby certify that the foregoing is true and correct

| Name *(Printed/Typed)* | Title |
|---|---|
| DEBRA DOMENICI | SR ADMINISTRATIVE ASSISTANT |
| Signature *Debra Domenici* | Date October 7, 2003 |

**THIS SPACE FOR FEDERAL OR STATE USE**

| Approved by *Kirk Fleetwood* | Title Petroleum Engineer | Date 12/15/03 |
|---|---|---|
| Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. | Office | |

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on reverse)*

UDOGM

Westport Oil and Gas Co. L.P.
APD Extension

Well: NBU 345-4E Location: SWSW Sec. 4, T10S, R21E

Lease: UTU 01393B

**Conditions of Approval**

An extension for the referenced APD is granted with the following condition(s):

1. The extension will expire 10/12/04

2. No other extensions beyond that time frame will be granted or allowed.

If you have any other questions concerning this matter, please contact Kirk Fleetwood at (435) 781-4486.

011

State of Utah

Department of
Natural Resources

ROBERT L. MORGAN
*Executive Director*

Division of
Oil, Gas & Mining

LOWELL P. BRAXTON
*Division Director*

OLENE S. WALKER
*Governor*

GAYLE F. McKEACHNIE
*Lieutenant Governor*

October 15, 2004

Sheila Upchego
Westport Resources Corp.
1368 South 1200 East
Vernal UT 84078

Re: APD Rescinded – NBU 345-4E, Sec. 4, T. 10S, R. 21E
Uintah County, Utah API No. 43-047-34700

Dear Ms. Upchego:

The Application for Permit to Drill (APD) for the subject well was approved by the Division of Oil, Gas and Mining (Division) on August 15, 2002. On July 30, 2003, the Division granted a one-year APD extension. No drilling activity at this location has been reported to the division. Therefore, approval to drill the well is hereby rescinded, effective October 15, 2004.

A new APD must be filed with this office for approval prior to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division immediately.

Sincerely,

Diana Whitney
Engineering Technician

cc: Well File
Bureau Of Land Management, Vernal

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801
telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • *www.ogm.utah.gov*

43-047-34700

013

# United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Vernal Field Office
170 South 500 East
Vernal, UT 84078
(435) 781-4400 Fax: (435) 781-4410
http://www.blm.gov/utah/vernal

TAKE PRIDE IN AMERICA

IN REPLY REFER TO:
3160
UT08300

December 22, 2004

Sheila Upchego
Westport Oil & Gas Co.
1368 South 1200 East
Vernal, UT 84078

Re: Notification of Expiration
Well No. NBU 345-4E
SWSW, Sec. 4, T10S, R21E
Uintah County, Utah
Lease No. UTU-01393B
Natural Buttes WS MV

Dear Ms. Upchego:

The Application for Permit to Drill the above-referenced well was approved on October 12, 2002. A one (1) year extension of the original APD was requested. The request was reviewed and the extension approved until October 12, 2004. According to our records, no known activity has transpired at the approved location. In view of the foregoing, this office is notifying you that the approval of the referenced application has expired. If you intend to drill at this location in the future, a new Application for Permit to Drill must be submitted.

This office requires a letter confirming that no surface disturbance has been made for this drill site. Any surface disturbance associated with the approved location of this well is to be rehabilitated. A schedule for this rehabilitation must be submitted to this office. Your cooperation in this matter is appreciated.

Sincerely,

Leslie Walker

Leslie Walker
Legal Instruments Examiner

cc: UDOGM